572

TYPE 535A

PARTS LIST
AND
SCHEMATICS

TEKTRONIX

MANUFACTURERS OF CATHODE-RAY OSCILLOSCOPES

PARTS LIST

572

ABBREVIATIONS

Cer.	Ceramic	m	milli or 10^{-3}
Comp.	Composition	Ω	ohm
EMC	Electrolytic, metal cased	PTB	Paper, "Bathtub"
f	Farad	PMC	Paper, metal cased
GMV	Guaranteed minimum value	Poly.	Polystyrene
h	Henry	Prec.	Precision
k	Kilohm or 10^3 ohms	PT	Paper Tubular
M/Cer.	Mica or Ceramic	v	Working volts DC
meg	Megohm or 10^6 ohms	Var.	Variable
μ	Micro. or 10^{-6}	w	Watt
μμ	Micromicro or 10^{-12}	WW	Wire-wound

Special Notes and Symbols

+ and up

† Approximate serial number.

X000 Part first added at this serial number.

000X Part removed after this serial number.

(Mod. w/) Simple replacement not recommended. Modify to value for later instruments and change other parts to match.

Bulbs

		Tektronix Part Number
B129	Type NE-2 Neon Bulb	150-002
B160W	Type NE-2 Neon Bulb	150-002
B167	Type NE-2 Neon Bulb	150-002
B171	Type NE-2 Neon Bulb	150-002
B267	Type NE-2 Neon Bulb	150-002
B271	Type NE-2 Neon Bulb	150-002
B347	Type NE-2 Neon Bulb	150-002
B386	Type NE-2 Neon Bulb	150-002
B397	Type NE-2 Neon Bulb	150-002
B398	Type NE-2 Neon Bulb	150-002
B434A	Type NE-2 Neon Bulb	150-002
B434B	Type NE-2 Neon Bulb	150-002
B536	Type NE-2 Neon Bulb	150-002
B546	Type NE-2 Neon Bulb	150-002
B601	Bulb #47	150-001
B602	Bulb #47	150-001
B603	Bulb #47	150-001

Capacitors

C1	4.7 μμf	Cer.	Fixed	500 v	±1 μμf	281-501
C10	.0047 μf	PTM	Fixed	400 v		285-561
C11	100 μμf	Cer.	Fixed	350 v	±20 μμf	281-523
C15	.001 μf	Cer.	Fixed	500 v		283-000
C20	.001 μf	Cer.	Fixed	500 v		283-000

							Tektronix Part Number
C24		47 μμf	Cer.	Fixed	500 v	±9.4 μμf	281-518
C31		.01 μf	PTM	Fixed	400 v		285-510
C37		22 μμf	Cer.	Fixed	500 v	±4.4 μμf	281-510
C47		.005 μf	Cer.	Fixed	500 v		283-001
C51		6.8 μμf	Cer.	Fixed	500 v		281-541
C60		.001 μf	PTM	Fixed	600 v		285-501
C65		.001 μf	Cer.	Fixed	500 v		283-000
C70		.001 μf	Cer.	Fixed	500 v		283-000
C74	20230-up	.005 μf	Cer.	Fixed	500 v		283-001
C76	20230-up	.005 μf	Cer.	Fixed	500 v		283-001
C78		.001 μf	Cer.	Fixed	500 v		283-000
C81		.005 μf	Cer.	Fixed	500 v		283-001
C87		22 μμf	Cer.	Fixed	500 v	±2.2 μμf	281-511
C102		22 μμf	Cer.	Fixed	500 v	±2.2 μμf	281-511
C103		.001 μf	Cer.	Fixed	500 v		283-000
C105		.001 μf	Cer.	Fixed	500 v		283-000
C109		.005 μf	Cer.	Fixed	500 v		283-001
C116		.001 μf	Cer.	Fixed	500 v		283-000
C123		10 μμf	Cer.	Fixed	500 v	±1 μμf	281-504
C129		.005 μf	Cer.	Fixed	500 v		283-001
C131		27 μμf	Cer.	Fixed	500 v	±5.4 μμf	281-513
C134		8 μμf	Cer.	Fixed	500 v	±.5 μμf	281-503
C138		.005 μf	Cer.	Fixed	500 v		283-001
C141		8 μμf	Cer.	Fixed	500 v	±.5 μμf	281-503
C150		82 μμf	Cer.	Fixed	500 v	±8.2 μμf	281-528
C151		.005 μf	Cer.	Fixed	500 v		283-001
C157		12 μμf	Cer.	Fixed	500 v	±1.2 μμf	281-506
C160A		3-12 μμf	Cer.	Var.			281-007
C160B		82 μμf	Mica.	Fixed		5%	283-534
C160C		4.5-25 μμf	Cer.	Var	500 v		281-010
C160D		82 μμf	Mica	Fixed	500 v	5%	283-534
C160E		4.5-25 μμf	Cer.	Var	500 v		281-010
C160F*		.001 μf	Special timing series				
C160G		.01 μf	manufactured by Tektronix.				291-008
C160H		0.1 μf	Order replacements from				
C160J		1 μf	factory.				
C165		470 μμf	Cer.	Fixed	500 v	±94 μμf	281-525
C167		.001 μf	Cer.	Fixed	500 v		283-000
C180A		220 μμf	Mica	Fixed	500 v	10%	283-536
C180B		.0022 μf	PTM	Fixed	400 v		285-543
C180C		.022 μf	PTM	Fixed	400 v		285-515
C180D		.1 μf	PTM	Fixed	400 v		285-526
C180E		.1 μf	PTM	Fixed	400 v		285-526
C181	20001-20079	27 μμf	Cer.	Fixed	500 v	±1.35 μμf	281-515
	20080-up	27 μμf	Cer.	Fixed	500 v	±5.4 μμf	281-513
C187		.005 μf	Cer.	Fixed	500 v		283-001
C190		18 μμf	Cer.	Fixed	500 v	±10%	281-542
C193		.005 μf	Cer.	Fixed	500 v		283-001
C196		.001 μf	Cer.	Fixed	500 v		283-000
C221		47 μμf	Cer.	Fixed	500 v	±9.4 μμf	281-518
C234		10 μμf	Cer.	Fixed	500 v	±1 μμf	281-504
C241		3.3 μμf	Cer.	Fixed	500 v	±.25 μμf	281-534
C250		39 μμf	Cer.	Fixed	500 v	±3.9 μμf	281-516

*This timing capacitor can be ordered separately. When orderring note the color band painted on the end of the capacitor. The .001 μf capacitor may be ordered by part number 291-008. If the capacitor has a white color band, order 291-008A. If the capacitor has a black color band, order 291-008B.

						Tektronix Part Number
C260A	3-12 μμf	Cer.	Var.	500 v		281-036
C260B	39 μμf	Mica	Fixed	500 v	5%	283-533
C260C	7-45 μμf	Cer.	Var.	500 v		281-012
C260C	12 μμf	CER	FIXED	500v	±1.2pF	281-506
C260D	.00046 μf					
C260E	.005 μf	Manufactured by Tektronix				291-026
C260F	.05 μf					
C260G	.5 μf					
C267	.001 μf	Cer.	Fixed	500 v		283-000
C280A	22 μμf	Cer.	Fixed	500 v	±4.4 μμf	281-510
C280B	470 μμf	Cer.	Fixed	500 v	±94 μμf	281-525
C280C	.0047 μf	PTM	Fixed	400 v		285-506
C280D	.047 μf	PTM	Fixed	400 v		285-519
C280E	.047 μf	PTM	Fixed	400 v		285-519
C295	15 μμf	Cer.	Fixed	500 v	±1.2 μμf	281-505
C301C	7-45 μμf	Cer.	Var.	500 v		281-012
C301E	330 μμf	Cer.	Fixed	500 v	±10%	281-546
C301H	12 μμf	Cer	Fixed	500 v	±1.2 μμf	281-505
C320	.005 μf	Cer.	Fixed	500 v		283-001
C330	4.5-25 μf	Cer.	Var.	500 v		281-010
C336	.005 μf	Cer.	Fixed	500 v		283-001
C340	4.7 μμf	Cer.	Fixed	500 v	±1 μμf	281-501
C347	.001 μf	Cer.	Fixed	500 v		283-000
C348	3-12 μμf	Cer.	Var.	500 v		281-036
C355	1.5 μμf	Cer.	Fixed	500 v	±0.5 μμf	281-526
C356	.005 μf	Cer.	Fixed	500 v		283-001
C364	3-12 μμf	Cer.	Var.	500 v		281-036
C375	9-180 μμf	Mica	Var.			281-023
C380	6.25 μf	EMT	Fixed	300 v		290-000
C384	3-12 μμf	Cer.	Var.	500 v		281-036
C390	4.7 μμf	Cer.	Fixed	500 v	±1.2 μμf	281-501
C393	.047 μf	PTM	Fixed	400 v		285-519
C421	.01 μf	Cer.	Fixed	500 v		283-002
C426	.005 μf	Cer.	Fixed	500 v		283-001
C396	.005μf	CER	FIXED	500V		283-001
C444	22 μμf	Cer.	Fixed	500 v	±2.2 μμf	281-511
C454	47 μμf	Cer.	Fixed	500 v	±9.4 μμf	281-518
C457	.005 μf	Cer.	Fixed	500 v		283-001
C505	.005 μf	Cer.	Fixed	500 v		283-001
C507A,B	2 x 10 μf	EMT	Fixed	250 v		290-076
C510	.005 μf	Cer.	Fixed	500 v		283-001
C517	.001 μf	Cer.	Fixed	500 v		283-000
C528	.005 μf	Cer.	Fixed	500 v		283-001
C537	.005 μf	Cer.	Fixed	500 v		283-001
C547	.005 μf	Cer.	Fixed	500 v		283-001
C550	.005 μf	Cer.	Fixed	500 v		283-001
C553	1.5-7 μμf	Cer.	Fixed	500 v		281-034
C556	.001 μf	Cer.	Var.	500 v		283-000
C563	5-25 μμf	Cer.	Var.	500 v		281-011
C566	.001 μf	Cer.	Fixed	500 v		283-000
C582	.005 μf	Cer.	Fixed	500 v		283-001
C587	8 μμf	Cer.	Fixed	500 v		281-503
C588	39 μμf	Cer.	Fixed	500 v		281-516
C596	.005 μf	Cer.	Fixed	500 v		283-001
C599	.022 μf	PTM	Fixed	600 v	20%	285-517

							Tektronix Part Number
C601		.02 μf	Cer.	Fixed	150 v		283-004
C603		2 x 40 μf	EMC	Fixed	250 v		290-040
C605A		40 μf					
C605B		20 μf	EMC	Fixed	475 v		290-063
C605C		10 μf					
C610		.01 μf	PTM	Fixed	400 v		285-510
C617		.01 μf	PTM	Fixed	400 v		285-510
C628		.01 μf	PTM	Fixed	400 v		285-510
C640		125 μf	EMC	Fixed	350 v		290-044
C648		.01 μf	Cer.	Fixed	500 v		283-002
C649		2 x 40 μf	EMC	Fixed	250 v		290-040
C650		.01 μf	PTM	Fixed	400 v		285-510
C670		150 μf	EMC	Fixed	250 v		290-048
C671		150 μf	EMC	Fixed	250 v		290-048
C679A,B,C		3 x 10 μf	EMC	Fixed	450 v		290-005
C680		.01 μf	PTM	Fixed	400 v		285-510
C688		.01 μf	PTM	Fixed	400 v		285-510
C700		125 μf	EMC	Fixed	450 v		290-045
C710		.01 μf	PTM	Fixed	~~400 v~~ 600v		285-~~510~~511
C730		125 μf	EMC	Fixed	350 v		290-044
C740		.01 μf	PTM	Fixed	400 v		285-510
C760A,B		2 x 40 μf	EMC	Fixed	250 v		290-042
C775		.005 μf	Cer.	Fixed	500 v		283-001
C780		.005 μf	Cer.	Fixed	500 v		283-001
C783		.01 μf	Cer.	Fixed	500 v		283-002
C785		.01 μf	Cer.	Fixed	500 v		283-002
C801		.047 μf	PTM	Fixed	400 v		285-519
C802		2 x 20 μf	EMC	Fixed	450 v		290-037
C803		.001 μf	PTM	Fixed	600 v		285-501
C806		.01 μf	PTM	Fixed	400 v		285-510
C808		.001 μf	PTM	Fixed	600 v		285-501
C820		.0068 μf	PTM	Fixed	3000 v		285-508
C821		.015 μf	PTM	Fixed	3000 v		285-513
C822	20080-up	470 μμf	Cer.	Fixed		±94 μμf	281-525
C827		.015 μf	PTM	Fixed	3000 v		285-513
C831		.0068 μf	PTM	Fixed	3000 v		285-508
C832		.0068 μf	PTM	Fixed	3000 v		285-508
C833		.00047 μf	PTM	Fixed	10,000 v		285-500
C834		.00047 μf	PTM	Fixed	10,000 v		285-500
C836		.00047 μf	PTM	Fixed	10,000 v		285-500
C841		.01 μf	Cer.	Fixed	500 v		283-002
C842		.0068 μf	PTM	Fixed	5000 v		285-509
C845		.015 μf	PTM	Fixed	3000 v		285-513
C848		.015 μf	PTM	Fixed	3000 v		285-513
C871		330 μf	Mica	Fixed	500 v	10%	283-518
C874		330 μf	Mica	Fixed	500 v	10%	283-518
C885		27 μμf	Cer.	Fixed	500 v	±5.4 μμf	281-513
C897		.001 μf	Cer.	Fixed	500 v		283-000
C903		7-3 μμf	Tub.	Var.			281-037
C904		7-3 μμf	Tub.	Var.			281-037
C905		7-3 μμf	Tub.	Var.			281-037
C906		7-3 μμf	Tub.	Var.			281-037
C907		7-3 μμf	Tub.	Var.			281-037
C908		7-3 μμf	Tub.	Var.			281-037
C909		7-3 μμf	Tub.	Var.			281-037

Capacitors *(continued)*

				Tektronix Part Number
C910	7-3 μμf	Tub.	Var.	281-037
C911	7-3 μμf	Tub.	Var.	281-037
C912	7-3 μμf	Tub.	Var.	281-037
C913	7-3 μμf	Tub.	Var.	281-037
C914	7-3 μμf	Tub.	Var.	281-037
C915	7-3 μμf	Tub.	Var.	281-037
C916	7-3 μμf	Tub.	Var.	281-037
C917	7-3 μμf	Tub.	Var.	281-037
C918	7-3 μμf	Tub.	Var.	281-037
C919	7-3 μμf	Tub.	Var.	281-037
C920	7-3 μμf	Tub.	Var.	281-037
C930	7-3 μμf	Tub.	Var.	281-037
C931	7-3 μμf	Tub.	Var.	281-037
C932	7-3 μμf	Tub.	Var.	281-037
C933	7-3 μμf	Tub.	Var.	281-037
C934	7-3 μμf	Tub.	Var.	281-037
C935	7-3 μμf	Tub.	Var.	281-037
C936	7-3 μμf	Tub.	Var.	281-037
C937	7-3 μμf	Tub.	Var.	281-037
C938	7-3 μμf	Tub.	Var.	281-037
C939	7-3 μμf	Tub.	Var.	281-037
C940	7-3 μμf	Tub.	Var.	281-037

Fuses

		Tektronix Part Number
F601	6 amp, Fast-Blo 3AG for 117 v Operation	159-013
F601	3 amp, Fast-Blo 3AG for 234 v Operation	159-015

Inductors

			Tektronix Part Number
LR149	1.2 μh wound on 3.6 k resistor	Fixed	108-164
L249	4.75 μh	Fixed	108-165
L424	280 μh	Fixed	108-015
L506	15-34 μh	Var.	114-121
L523	15-34 μh	Var.	114-121
L526	1.4 μh	Fixed	108-095
L541	1.4 μh	Fixed	108-095
L551	1.2 μh	Fixed	108-056
L553	11-19 μh	Var.	114-102
L561	1.2 μh	Fixed	108-056
L563	11-19 μh	Var.	114-102
L582	18 μh	Fixed	108-129
L905	18 section	Fixed	108-143
L906	18 section	Fixed	108-143
L925	1.2 μh	Fixed	108-056
L926	1.2 μh	Fixed	108-056
L935	11 section	Fixed	108-144
L936	11 section	Fixed	108-144
L955	3.6 μh	Var.	114-105
L956	3.6 μh	Var.	114-105

Resistors

							Tektronix Part Number
R1		1 meg	½ w	Fixed	Comp.	5%	301-105
R2		390 k	½ w	Fixed	Comp.	5%	301-394
R3		50 k	2 w	Var.	Comp.	20%	311-023
R4		100 k	½ w	Fixed	Comp.	10%	302-104
R12		1 meg	½ w	Fixed	Comp.	10%	302-105
R13		100 k	½ w	Fixed	Comp.	10%	302-104
R15		470 k	½ w	Fixed	Comp.	10%	302-474
R17*		2 x 100 k	2 w	Var.	Comp.	20%	311-096
R18		22 k	½ w	Fixed	Comp.	10%	302-223
R19		470 k	½ w	Fixed	Comp.	10%	302-474
R20		56 k	½ w	Fixed	Comp.	10%	302-563
R22		47 Ω	½ w	Fixed	Comp.	10%	302-470
R23		47 Ω	½ w	Fixed	Comp.	10%	302-470
R24		4.7 k	1 w	Fixed	Comp.	10%	304-472
R25		4.7 k	1 w	Fixed	Comp.	10%	304-472
R28		33 k	2 w	Fixed	Comp.	10%	306-333
R29		39 k	2 w	Fixed	Comp.	10%	306-393
R31		47 k	½ w	Fixed	Comp.	10%	302-473
R32		47 k	½ w	Fixed	Comp.	10%	302-473
R33		47 Ω	½ w	Fixed	Comp.	10%	302-470
R34		680 Ω	½ w	Fixed	Comp.	10%	302-681
R35		1.5 k	½ w	Fixed	Comp.	10%	302-152
R37		100 k	½ w	Fixed	Comp.	10%	302-104
R38		120 k	½ w	Fixed	Comp.	10%	302-124
R39		100 k	2 w	Var.	Comp.	20%	311-026
R40		2.7 meg	½ w	Fixed	Comp.	10%	302-275
R41		47 Ω	½ w	Fixed	Comp.	10%	302-470
R43		~~820 Ω~~ 1.5k	½ w	Fixed	Comp.	10%	302-~~821~~ 152
R44		1 meg	½ w	Fixed	Comp.	10%	302-105
R46		18 k	1 w	Fixed	Comp.	10%	304-183
R47		500 Ω	2 w	Var.	Comp.	10%	311-005
R48		18 k	1 w	Fixed	Comp.	10%	304-183
R51		1 meg	½ w	Fixed	Comp.	10%	302-105
R52		390 k	½ w	Fixed	Comp.	10%	302-394
R53		50 k	½ w	Var.	Comp.	10%	311-125
R54		~~100 k~~ 82k	½ w	Fixed	Comp.	10%	302-~~104~~ 823
R62		1 meg	½ w	Fixed	Comp.	10%	302-105
R65		470 k	½ w	Fixed	Comp.	10%	302-474
R67		2 x 100 k	2 w	Var.	Comp.	20%	311-096 404
R68		22 k	½ w	Fixed	Comp.	10%	302-223
R69		470 k	½ w	Fixed	Comp.	10%	302-474
R70		56 k	½ w	Fixed	Comp.	10%	302-563
R72		100 Ω	½ w	Fixed	Comp.	10%	302-101
R73		100 Ω	½ w	Fixed	Comp.	10%	302-101
R74	20230-up	47 Ω	½ w	Fixed	Comp.	10%	302-470
R75		33 k	2 w	Fixed	Comp.	10%	306-333
R76	20230-up	47 Ω	½ w	Fixed	Comp.	10%	302-470
R78		500 Ω	0.2 w	Var.	Comp.	20%	311-066
R79		33 k	2 w	Fixed	Comp.	10%	306-333
R81		220 k	½ w	Fixed	Comp.	10%	302-224
R82		220 k	½ w	Fixed	Comp.	10%	302-224
R83		100 Ω	½ w	Fixed	Comp.	10%	302-101

*Concentric with R110.

						Tektronix Part Number
R84	1.5 k	½ w	Fixed	Comp.	10%	302-152
R85	~~1.8 k~~ 1.51k	½ w	Fixed	Comp.	5%	301-~~182~~
R87	100 k	½ w	Fixed	Comp.	10%	302-104
R88	270 k	½ w	Fixed	Comp.	10%	302-274
R90	1.2 meg	½ w	Fixed	Comp.	10%	302-125
R91	100 Ω	½ w	Fixed	Comp.	10%	302-101
R93	1.2 k	½ w	Fixed	Comp.	10%	302-122
R96	33 k	2 w	Fixed	Comp.	10%	306-333
R101	1 k	½ w	Fixed	Comp.	10%	302-102
R102	22 k	½ w	Fixed	Comp.	10%	302-223
R103	22 meg	½ w	Fixed	Comp.	10%	302-226
R105	390 k	½ w	Fixed	Comp.	10%	302-394
R106	1 meg	½ w	Fixed	Comp.	10%	302-105
R107	47 Ω	½ w	Fixed	Comp.	10%	302-470
R109	220 k	½ w	Fixed	Comp.	10%	302-224
R110*	2 x 100 k	2 w	Var.	Comp.	20%	311-096
R111	100 k	0.2 w	Var.	Comp.	20%	311-088
R114	470 k	½ w	Fixed	Comp.	5%	301-474
R115	100 k	½ w	Fixed	Comp.	5%	301-104
R116	180 k	½ w	Fixed	Comp.	5%	301-184
R121	47 Ω	½ w	Fixed	Comp.	10%	302-470
R122	68 k	1 w	Fixed	Comp.	10%	304-683
R123	270 k	½ w	Fixed	Comp.	10%	302-274
R124	470 k	½ w	Fixed	Comp.	10%	302-474
R125	50 k	½ w	Var.	Comp.	20%	311-023
R126	100 k	½ w	Fixed	Comp.	10%	302-104
R127	47 Ω	½ w	Fixed	Comp.	10%	302-470
R128	12 k	½ w	Fixed	Comp.	10%	302-123
R129	10 k	½ w	Fixed	Comp.	10%	302-103
R130	22 k	2 w	Fixed	Comp.	10%	306-223
R131	1 k	½ w	Fixed	Comp.	10%	302-102
R132	47 Ω	½ w	Fixed	Comp.	10%	302-470
R134**	6 k		Manufactured by Tektronix			310-555
R137	47 Ω	½ w	Fixed	Comp.	10%	302-470
R138	47 Ω	½ w	Fixed	Comp.	10%	302-470
R141	33 k	1 w	Fixed	Prec.	1%	310-070
R143	30 k	1 w	Fixed	Prec.	1%	310-072
R144	8 k	5 w	Fixed	WW	5%	308-053
R146	47 Ω	½ w	Fixed	Comp.	10%	302-470
R147	1 k	½ w	Fixed	Comp.	10%	302-102
R148	47 Ω	½ w	Fixed	Comp.	10%	302-473
R150	270 Ω	½ w	Fixed	Comp.	10%	302-271
R151	68 k	½ w	Fixed	Comp.	5%	301-683
R152	1 meg	½ w	Fixed	Comp.	5%	301-105
R153	10 k	½ w	Fixed	Comp.	10%	302-103
R155	1.8 meg	½ w	Fixed	Comp.	10%	302-185
R156	1 meg	½ w	Fixed	Comp.	10%	302-105
R157	470 k	½ w	Fixed	Comp.	10%	302-474
R158	1 k	½ w	Fixed	Comp.	10%	302-102
R159	3.3 k	2 w	Fixed	Comp.	10%	306-332
R160A	100 k	½ w	Fixed	Prec.	1%	309-045
R160B	200 k	½ w	Fixed	Prec.	1%	309-051

*Concentric with R17.

**CRT Tap.

						Tektronix Part Number
R160C	500 k	½ w	Fixed	Prec.	1%	309-003
R160D	1 meg	½ w	Fixed	Prec.	1%	309-014
R160E	2 meg	½ w	Fixed	Prec.	1%	309-023
R160F	5 meg	½ w	Fixed	Prec.	1%	309-087
R160G	10 meg	1 w	Fixed	Prec.	1%	310-107
R160T	56k	1w			10%	304-563
R160H	10 meg	1 w	Fixed	Prec.	1%	310-107
R160J	30 meg	2 w	Fixed	Prec.	1%	310-505
R160W	100 k	½ w	Fixed	Comp.	10%	302-104
R160X	10 k	½ w	Var.	Comp.	10%	302-103
R160Y	20 k	2 w	Var.	WW	10%	311-108
R160V	1 meg	½w			10%	302-105
R160Z	500 Ω	½ w	Var.	Comp.	20%	311-066
R164	22 k	2 w	Fixed	Comp.	10%	306-223
R165	22 k	2 w	Fixed	Comp.	10%	306-223
R166	22 k	2 w	Fixed	Comp.	10%	306-223
R167	1.5 meg	½ w	Fixed	Comp.	10%	302-155
R168	47 k	½ w	Fixed	Comp.	10%	302-473
R171	47 Ω	½ w	Fixed	Comp.	10%	302-470
R172	47 Ω	½ w	Fixed	Comp.	10%	302-470
R173	470 Ω	½ w	Fixed	Comp.	10%	302-471
R174	8 k	5 w	Fixed	WW	5%	308-053
R176	2 k	2 w	Var.	Comp.		311-008
R178	4 k	5 w	Fixed	WW	5%	308-051
R180A	470 k	½ w	Fixed	Comp.	10%	302-474
R180B	4.7 meg	½ w	Fixed	Comp.	10%	302-475
R181	4.7 meg	½ w	Fixed	Comp.	10%	302-475
R183	47 Ω	½ w	Fixed	Comp.	10%	302-470
R186	47 Ω	½ w	Fixed	Comp.	10%	302-470
R187	47 Ω	½ w	Fixed	Comp.	10%	302-470
R189	56 k	2 w	Fixed	Comp.	10%	306-563
R190	47 k	½ w	Fixed	Comp.	10%	302-473
R191	~~120 k~~ 110k	½ w	Fixed	Comp.	~~10%~~ 5% 301-114	~~302-124~~
R192	47 Ω	½ w	Fixed	Comp.	10%	302-470
R193	47 Ω	½ w	Fixed	Comp.	10%	302-470
R194	4.7 k	1 w	Fixed	Comp.	10%	304-472
R196	100 k	½ w	Fixed	Comp.	10%	302-104
R199	100 k	1 w	Fixed	Comp.	10%	304-104
R210	100 k	0.2 w	Var.	Comp.	20%	311-088
R211	100 k	0.2 w	Var.	Comp.	20%	311-088
R214	100 k	½ w	Fixed	Comp.	10%	302-104
R215	27 k	½ w	Fixed	Comp.	5%	301-273
R216	39 k	½ w	Fixed	Comp.	5%	301-393
R221	100 Ω	½ w	Fixed	Comp.	10%	302-101
R230	22 k	1 w	Fixed	Comp.	10%	304-223
R232	100 Ω	½ w	Fixed	Comp.	10%	302-101
R233	5.6 k	½ w	Fixed	Prec.	1%	309-132
R234	5 k	½ w	Fixed	Prec.	1%	309-159
R235	270 k	½ w	Fixed	Comp.	10%	302-274
R237	100 Ω	½ w	Fixed	Comp.	10%	302-101
R241	33 k	1 w	Fixed	Prec.	1%	310-070
R243	30 k	1 w	Fixed	Prec.	1%	310-072

							Tektronix Part Number
R244		15 k	5 w	Fixed	WW	5%	308-108
R246		100 Ω	½ w	Fixed	Comp.	10%	302-101
R247		2.2 k	½ w	Fixed	Comp.	10%	302-222
R248		47 k	½ w	Fixed	Comp.	10%	302-473
R249		8.2 k	½ w	Fixed	Comp.	10%	302-822
R250		2.7 k	½ w	Fixed	Comp.	10%	302-272
R260A		4.04 k	½ w	Fixed	Prec.	¼%	312-567
R260B		6.06 k	½ w	Fixed	Prec.	¼%	312-568
R260C		1 meg	½ w	Fixed	Prec.	¼%	312-571
R260D		4.04 meg	½ w	Fixed	Prec.	¼%	312-575
R260E		6.06 meg	½ w	Fixed	Prec.	¼%	312-576
R260F		10.1 meg	½ w	Fixed	Prec.	¼%	312-577
R264		220 k	2 w	Fixed	Comp.	10%	306-224
R267		1.5 meg	½ w	Fixed	Comp.	10%	302-155
R268		100 k	½ w	Fixed	Comp.	10%	302-104
R271		100 Ω	½ w	Fixed	Prec.	10%	302-101
R274		15 k	2 w	Fixed	Prec.	10%	306-153
R276	20001-20149	10 k	2 w	Var.	Comp.		311-016
	20150-up	10 k	2 w	Var.	Comp.		311-076
R277*		Selected					302-000
R278*		Selected					302-000
R279		12 k	2 w	Fixed	Comp.	10%	306-123
R280		1.2 meg	½ w	Fixed	Comp.	10%	302-125
R281		4.7 meg	½ w	Fixed	Comp.	10%	302-475
R282		1 k	½ w	Fixed	Comp.	10%	302-102
R283		~~100 Ω~~ 1k	½ w	Fixed	Comp.	10%	302-~~101~~102
R291		100 Ω	½ w	Fixed	Comp.	10%	302-101
R295		39 k	½ w	Fixed	Comp.	10%	302-393
R296		100 k	½ w	Fixed	Comp.	10%	302-104
R297		100 Ω	½ w	Fixed	Comp.	10%	302-101
R299		10 k	½ w	Fixed	Comp.	10%	302-103
R300		47 Ω	½ w	Fixed	Comp.	10%	302-470
R301C		900 k	½ w	Fixed	Prec.	1%	309-111
R301E		111 k	½ w	Fixed	Prec.	1%	309-046
R303		1 meg	½ w	Fixed	Comp.	10%	302-105
R311		1 k	½ w	Fixed	Comp.	10%	302-102
R313		33 k	2 w	Fixed	Comp.	10%	306-333
R314		~~10 k~~ 15K	2 w	Var.	Comp.	10%	311-~~147~~112
R315		33 k	2 w	Fixed	Comp.	10%	306-333
R317		100 k	2 w	Var.	Comp.	20%	311-026
R319		220 k	½ w	Fixed	Comp.	10%	302-224
R320		3.3 k	½ w	Fixed	Comp.	10%	302-332
R321		100 Ω	½ w	Fixed	Comp.	10%	302-101
R324		~~22 k~~ 27K	2 w	Fixed	Comp.	10%	306-~~223~~273
R330		1.5 meg	½ w	Fixed	Prec.	1%	309-017
R332		3.5 meg	½ w	Fixed	Prec.	1%	309-086
R333**		100 k	2 w	Var.	Comp.	20%	311-149
R336		12.1 ~~12~~ meg	½ w	Fixed	Prec.	1%	309-268
R338**		200 k	2 w	Var.	Comp.	20%	311-149
R340		2.2 k	½ w	Fixed	Comp.	10%	302-222
R341		100 Ω	½ w	Fixed	Comp.	10%	302-101
R345		100 k	1 w	Fixed	Comp.	10%	304-104

*See Recalibration Section of Maintenance Manual.

**R333 and R338 are concentric.

						Tektronix Part Number
R347	100 k	½ w	Fixed	Comp.	10%	302-104
R348	50 k	2 w	Var.	Comp.		311-125
R349	~~111 k~~ 120 k	½ w	Fixed	Prec.	1%	309-~~045~~ 091
R351	100 Ω	½ w	Fixed	Comp.	10%	302-101
R353	100 k	1 w	Fixed	Comp.	10%	304-104
R355	400 k	1 w	Fixed	Prec.	1%	310-094
R356	400 k	1 w	Fixed	Prec.	1%	310-094
R357	22 k	½ w	Fixed	Comp.	10%	302-223
R358	10 k	2 w	Var.	Comp.		311-016
R361	47 Ω	½ w	Fixed	Comp.	10%	302-470
R364	25 k*		Manufactured by Tektronix			310-506
R366	47 Ω	½ w	Fixed	Comp.	10%	302-470
R373	2.2 k	1 w	Fixed	Comp.	10%	304-222
R375	2 k	2 w	Var.	Comp.		311-008
R376	2.2 k	1 w	Fixed	Comp.	10%	304-222
R377	6 k	5 w	Fixed	WW	1%	308-112
R380	100 Ω	½ w	Fixed	Comp.	10%	302-101
R381	47 Ω	½ w	Fixed	Comp.	10%	302-470
R384	30 k*		Manufactured by Tektronix			310-507
R386	100 Ω	½ w	Fixed	Comp.	10%	302-101
R387	39 k	2 w	Fixed	Comp.	10%	306-393
R388	39 k	2 w	Fixed	Comp.	10%	306-393
R390	2.2 k	½ w	Fixed	Comp.	10%	302-222
R391	47 Ω	½ w	Fixed	Comp.	10%	302-470
R393	390 Ω	½ w	Fixed	Comp.	10%	302-391
R396	470 k	½ w	Fixed	Comp.	10%	302-474
R397	820 k	½ w	Fixed	Comp.	10%	302-824
R398	820 k	½ w	Fixed	Comp.	10%	302-824
R399	470 k	½ w	Fixed	Comp.	10%	302-474
R410	1 meg	½ w	Fixed	Comp.	10%	302-105
R411	100 Ω	½ w	Fixed	Comp.	10%	302-101
R415	47 k	½ w	Fixed	Comp.	10%	302-473
R416	12 k	½ w	Fixed	Comp.	10%	302-123
R421	100 Ω	½ w	Fixed	Comp.	10%	302-101
R424	10 k	½ w	Fixed	Comp.	10%	302-103
R425	100 k	½ w	Fixed	Comp.	10%	302-104
R426	47 k	½ w	Fixed	Comp.	10%	302-473
R427	100 Ω	½ w	Fixed	Comp.	10%	302-101
R428	10 k	½ w	Fixed	Comp.	10%	302-103
R431	10 k	5 w	Fixed	WW	5%	308-054
R432	10 k	2 w	Var.	Comp.		311-015
R433	30 k	3 w	Var.	helipot	1%	311-022
R434	100 k	½ w	Fixed	Comp.	10%	302-104
R436	2 k	2 w	Var.	WW	5%	311-141
R437	15 k	5 w	Fixed	WW	5%	308-108
R441	100 Ω	½ w	Fixed	Comp.	10%	302-101
R443	2.7 k	½ w	Fixed	Comp.	10%	302-272
R444	95 k	½ w	Fixed	Prec.	1%	309-044
R446	150 k	½ w	Fixed	Prec.	1%	309-049
R447	39 k	2 w	Fixed	Comp.	10%	306-393
R451	100 Ω	½ w	Fixed	Comp.	10%	302-101
R453	3.3 k	½ w	Fixed	Comp.	10%	302-332

*6 k tap.

						Tektronix Part Number
R454	10 k	½ w	Fixed	Comp.	10%	302-103
R455	270 k	½ w	Fixed	Comp.	10%	302-274
R456	100 Ω	½ w	Fixed	Comp.	10%	302-101
R457	47 Ω	½ w	Fixed	Comp.	10%	302-470
R458	1 k	½ w	Fixed	Comp.	10%	302-102
R459	1 k	½ w	Fixed	Comp.	10%	302-102
R502	27 Ω	½ w	Fixed	Comp.	10%	302-270
R505	680 Ω	2 w	Fixed	Comp.	5%	305-681
R506	1.6 k	½ w	Fixed	Prec.	1%	310-550
R507	82 k	¼ w	Fixed	Comp.	10%	316-823
R510	6,.8 k	1 w	Fixed	Comp.	10%	304-682
R513	4 k	5 w	Fixed	WW	5%	308-051
R514	15 k	5 w	Fixed	WW	5%	308-108
R517	470 k	½ w	Fixed	Comp.	10%	302-474
R520	27 Ω	½ w	Fixed	Comp.	10%	302-270
R523	1.582 k	½ w	Fixed	Prec.	1%	309-029
R524	82 k	¼ w	Fixed	Comp.	10%	316-823
R528	4.5 k	5 w	Fixed	WW	5%	308-092
R529	11 k	2 w	Fixed	Comp.	5%	305-113
R530	11 k	2 w	Fixed	Comp.	5%	305-113
R533	150 k	½ w	Fixed	Comp.	10%	302-154
R534	330 k	½ w	Fixed	Comp.	10%	302-334
R536	330 k	½ w	Fixed	Comp.	10%	302-334
R537	1 meg	½ w	Fixed	Comp.	10%	302-105
R539	680 k	½ w	Fixed	Comp.	10%	302-684
R546	330 k	½ w	Fixed	Comp.	10%	302-334
R547	1 meg	½ w	Fixed	Comp.	10%	302-105
R550	1.2 k	1 w	Fixed	Comp.	10%	304-122
R551	47 Ω	½ w	Fixed	Comp.	10%	302-470
R553	1.3 k	½ w	Manufactured by Tektronix			310-549
R556	100 k	½ w	Fixed	Comp.	10%	302-104
R558	27 Ω	½ w	Fixed	Comp.	10%	302-270
R561	47 Ω	½ w	Fixed	Comp.	10%	302-470
R563	1.3 k	½ w	Fixed	Prec.	1%	310-549
R566	100 k	½ w	Var.	Comp.	10%	302-104
R568	27 Ω	½ w	Fixed	Comp.	10%	302-270
R570	200 Ω	½ w	Var.	Comp.		311-004
R573	2.5 k	5 w	Fixed	WW	5%	308-103
R574	2.5 k	5 w	Fixed	WW	5%	308-103
R577	100 Ω	½ w	Fixed	Comp.	10%	302-101
R580	100 Ω	½ w	Fixed	Comp.	10%	302-101
R582	5.1 k	2 w	Fixed	Comp.	5%	305-512
R583	2.2 k	½ w	Fixed	Comp.	5%	301-222
R585	12 k	2 w	Fixed	Comp.	5%	305-123
R586	12 k	2 w	Fixed	Comp.	5%	305-123
R587	1.2 k	½ w	Fixed	Comp.	5%	301-122
R588	2.2 k	½ w	Fixed	Comp.	5%	301-222
R590	47 Ω	½ w	Fixed	Comp.	10%	302-470
R593	30 k	10 w	Fixed	WW	5%	308-027
R595	6.8 k	½ w	Fixed	Comp.	10%	302-682

						Tektronix Part Number
R596	47 Ω	½ w	Fixed	Comp.	10%	302-470
R597	1 k	½ w	Fixed	Comp.	10%	302-102
R598	22 k	2 w	Fixed	Comp.	10%	306-223
R599	1 meg	½ w	Fixed	Comp.	10%	302-105
R600	12 Ω	1 w	Fixed	Comp.	10%	304-120
R601	3 x 30 Ω	3 w	Fixed	WW	5%	308-142
R602	50 Ω	2 w	Var.	WW	10%	311-055
R603	100 Ω	1 w	Fixed	Comp.	10%	304-101
R605	100 Ω	½ w	Fixed	Comp.	10%	302-101
R607	47 Ω	½ w	Fixed	Comp.	10%	302-470
R608	33 k	½ w	Fixed	Comp.	10%	302-333
R609	100 Ω	½ w	Fixed	Comp.	10%	302-101
R610	100 k	½ w	Fixed	Comp.	10%	302-104
R615	68 k	1 w	Fixed	Prec.	1%	310-054
R616	10 k	2 w	Var.	WW	20%	311-015
R617	50 k	1 w	Fixed	Prec.	1%	310-086
R618	100 k	½ w	Fixed	Comp.	10%	302-104
R621	1 k	½ w	Fixed	Comp.	10%	302-102
R623	470 k	½ w	Fixed	Comp.	10%	302-474
R625	100 k	½ w	Fixed	Comp.	10%	302-104
R628	2.7 meg	½ w	Fixed	Comp.	10%	302-275
R629	2.7 meg	½ w	Fixed	Comp.	10%	302-275
R633	1 meg	½ w	Fixed	Comp.	10%	302-105
R635	15 k	1 w	Fixed	Comp.	10%	304-153
R636	15 k	1 w	Fixed	Comp.	10%	304-153
R637	150 k	½ w	Fixed	Comp.	10%	302-154
R638	27 k	½ w	Fixed	Comp.	10%	302-273
R639	68 k	½ w	Fixed	Comp.	10%	302-683
R640	10 Ω	1 w	Fixed	Comp.	10%	304-100
R641	10 Ω	1 w	Fixed	Comp.	10%	304-100
R643	1 k	½ w	Fixed	Comp.	10%	302-102
R644	1 k	½ w	Fixed	Comp.	10%	302-102
R647	800 Ω	25 w	Fixed	WW	5%	308-155
R648	10 Ω	½ w	Fixed	Comp.	10%	302-100
R650	333 k	1 w	Fixed	Prec.	1%	310-056
R651	490 k	1 w	Fixed	Prec.	1%	310-057
R663	1.5 meg	½ w	Fixed	Comp.	10%	302-155
R667	680 k	½ w	Fixed	Comp.	10%	302-684
R668	47 k	½ w	Fixed	Comp.	10%	302-473
R669	39 k	½ w	Fixed	Comp.	10%	302-393
R670	10 Ω	2 w	Fixed	Comp.	10%	306-100
R675	1.5 k	10 w	Fixed	WW	5%	308-055
R676	750 Ω	25 w	Fixed	WW	5%	308-147
R677	1.5 k	25 w	Fixed	WW	5%	308-040
R680	333 k	1 w	Fixed	Prec.	1%	310-056
R681	220 k	1 w	Fixed	Prec.	1%	310-055
R682	120 k	½ w	Fixed	Comp.	10%	302-124
R683	1 k	½ w	Fixed	Comp.	10%	302-102
R685	82 k	1 w	Fixed	Comp.	10%	304-823
R686	180 k	½ w	Fixed	Comp.	10%	302-184

							Tektronix Part Number
R688		1.5 meg	½ w	Fixed	Comp.	10%	302-155
R689		2.2 meg	½ w	Fixed	Comp.	10%	302-225
R693		1.5 meg	½ w	Fixed	Comp.	10%	302-155
R697		1 meg	½ w	Fixed	Comp.	10%	302-105
R698		270 k	½ w	Fixed	Comp.	10%	302-274
R699		56 k	½ w	Fixed	Comp.	10%	302-563
R700		10 Ω	2 w	Fixed	Comp.	10%	306-100
R710		236 k	1 w	Fixed	WW	1%	308-083
R711		100 k	½ w	Fixed	WW	1%	308-084
R712		150 k	½ w	Fixed	Comp.	10%	302-154
R723		1.5 meg	½ w	Fixed	Comp.	10%	302-155
R727		1 meg	½ w	Fixed	Comp.	10%	302-105
R728		560 k	½ w	Fixed	Comp.	10%	302-564
R729		47 k	½ w	Fixed	Comp.	10%	302-473
R730		10 Ω	1 w	Fixed	Comp.	10%	304-100
R731		10 Ω	1 w	Fixed	Comp.	10%	304-100
R732		82 k	2 w	Fixed	Comp.	10%	306-823
R734		1 k	½ w	Fixed	Comp.	10%	302-102
R736		2.4 k	25 w	Fixed	WW	5%	308-041
R737		2.4 k	25 w	Fixed	WW	5%	308-041
R740		220 k	1 w	Fixed	Prec.	1%	310-055
R741		720 k	1 w	Fixed	Prec.	1%	310-059
R753		1 meg	½ w	Fixed	Comp.	10%	302-105
R757		150 k	½ w	Fixed	Comp.	10%	302-154
R758		120 k	½ w	Fixed	Comp.	10%	302-124
R759		27 k	½ w	Fixed	Comp.	10%	302-273
R760		10 Ω	½ w	Fixed	Comp.	10%	302-100
R767		3 k	8 w	Fixed	WW	5%	308-113
R801		1 k	½ w	Fixed	Comp.	10%	302-102
R802		390 Ω	2 w	Fixed	Comp.	10%	306-391
R803		56 k	2 w	Fixed	Comp.	10%	306-563
R806		100 k	½ w	Fixed	Comp.	10%	302-104
R807		1 k	½ w	Fixed	Comp.	10%	302-102
R814		470 k	½ w	Fixed	Comp.	10%	302-474
R820		47 k	½ w	Fixed	Comp.	10%	302-473
R822	20080-up	33 k	½ w	Fixed	Comp.	10%	302-333
R824		4.7 meg	2 w	Fixed	Comp.	10%	306-475
R825		4.7 meg	2 w	Fixed	Comp.	10%	306-475
R826		1 meg	2 w	Var.	Comp.		311-041
R827		100 k	½ w	Fixed	Comp.	10%	302-104
R828		1 meg	½ w	Fixed	Comp.	10%	302-105
R836		1 meg	½ w	Fixed	Comp.	10%	302-105
R840		2 meg	2 w	Var.	Comp.		311-042
R841		2.2 meg	½ w	Fixed	Comp.	10%	302-225
R842		4.7 meg	½ w	Fixed	Comp.	10%	302-475
R843		4.7 meg	½ w	Fixed	Comp.	10%	302-475
R844		4.7 meg	½ w	Fixed	Comp.	10%	302-475
R845		10 k	½ w	Fixed	Comp.	10%	302-103
R847		27 k	½ w	Fixed	Comp.	10%	302-273

Resistors *(continued)*

						Tektronix Part Number
R848	1 meg	½ w	Fixed	Comp.	10%	302-105
R853	2.2 meg	2 w	Fixed	Comp.	10%	306-225
R854	2.2 meg	2 w	Fixed	Comp.	10%	306-225
R856	2 meg	2 w	Var.	Comp.		311-043
R857	1 meg	2 w	Fixed	Comp.	10%	306-105
R861	100 k	2 w	Var.	Comp.	20%	311-026
R864	5,0 k	2 w	Var.	Comp.		311-023
R870	150 k	½ w	Fixed	Comp.	10%	302-154
R871	2.7 meg	½ w	Fixed	Comp.	10%	302-275
R872	1 k	½ w	Fixed	Comp.	10%	302-102
R874	3.9 meg	½ w	Fixed	Comp.	10%	302-395
R875	68 k	½ w	Fixed	Comp.	10%	302-683
R876	1 k	½ w	Fixed	Comp.	10%	302-102
R878	33 k	1 w	Fixed	Comp.	10%	304-333
R879	10 k	2 w	Var.	Comp.		311-016
R880	100 k	½ w	Fixed	Comp.	10%	302-104
R883	100 Ω	½ w	Fixed	Comp.	10%	302-101
R885	9.5 k	½ w	Fixed	Prec.	1%	309-121
R886	6.375 k	½ w	Fixed	Prec.	1%	309-119
R887	2.1 k	½ w	Fixed	Prec.	1%	309-117
R888	1.025 k	½ w	Fixed	Prec.	1%	309-116
R889	610 Ω	½ w	Fixed	Prec.	1%	309-113
R890	200 Ω	½ w	Fixed	Prec.	1%	309-073
R891	100 Ω	½ w	Fixed	Prec.	1%	309-112
R892	60 Ω	½ w	Fixed	Prec.	1%	309-067
R893	40 Ω	½ w	Fixed	Prec.	1%	309-066
R896	100 k	½ w	Fixed	Prec.	1%	309-045
R897	100 Ω	½ w	Fixed	Prec.	1%	309-112
R898	100 Ω	½ w	Fixed	Comp.	10%	302-101
R899	Special					308-090
R925	10 meg	½ w	Fixed	Comp.	10%	302-106
R926	10 meg	½ w	Fixed	Comp.	10%	302-106
R1080	150 k	½ w	Fixed	Comp.	10%	302-154
R1081	330 k	½ w	Fixed	Comp.	10%	302-334

Switches

				wired | unwired
SW10A SW10B		TRIGGER SLOPE TRIGGERING MODE	TIME BASE A	262-174 260-099
SW60A* SW60B*		TRIGGER SLOPE TRIGGERING MODE	TIME BASE B	262-209 260-261
SW103		RESET, push button, SPST		260-017
SW160	20001-20079	TIME/CM (TIME BASE A)		262-206 260-230
	20080-up	TIME/CM (TIME BASE A)		262-245 260-230
SW260		TIME/CM or DELAY TIME (TIME BASE B)		262-208 260-260
SW301**		HORIZONTAL DISPLAY (front)		262-210 260-262
SW347A** SW347B***		HORIZONTAL DISPLAY 5X MAGNIFIER	(rear)	262-211 260-263

*SW60A and SW60B are concentric controls.

**SW301 and SW347A are ganged.

***SW347B concentric with SW 301 and SW347A.

		Tektronix Part Number
SW601	POWER ON, SPST	260-134
SW848	CRT CATHODE SELECTOR, SPDT	260-209
SW870	AMPLITUDE CALIBRATOR	262-207 260-253

Transformers

T601	Power Transformer	120-140
T801	High-Voltage Oscillator Transformer	120-036

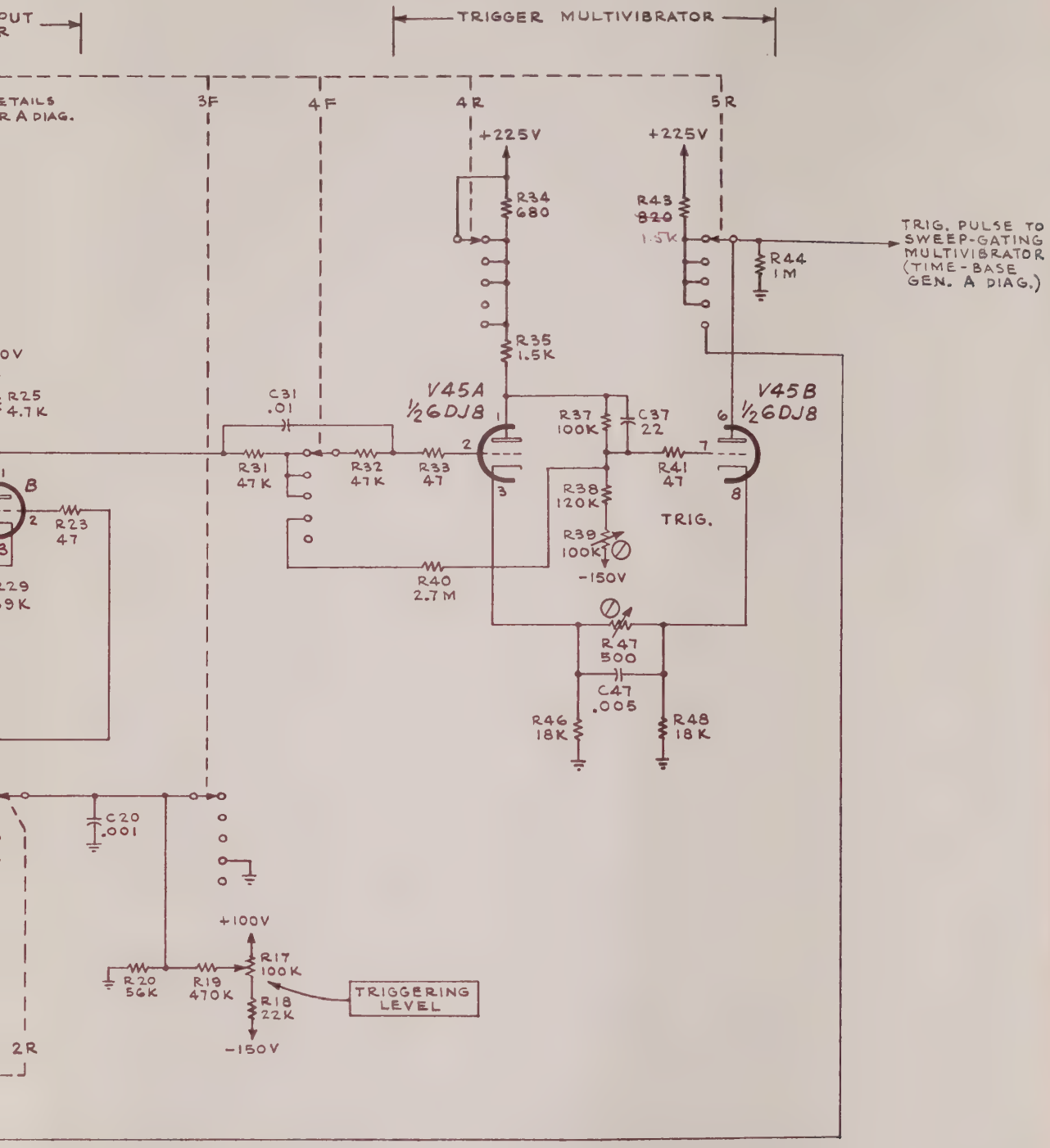
Relay

K600	Amperite 6N045T	148-002
K601	6.3 v, AC Relay	148-004
TK601	133 Thermo switch	260-208

Vacuum Tubes

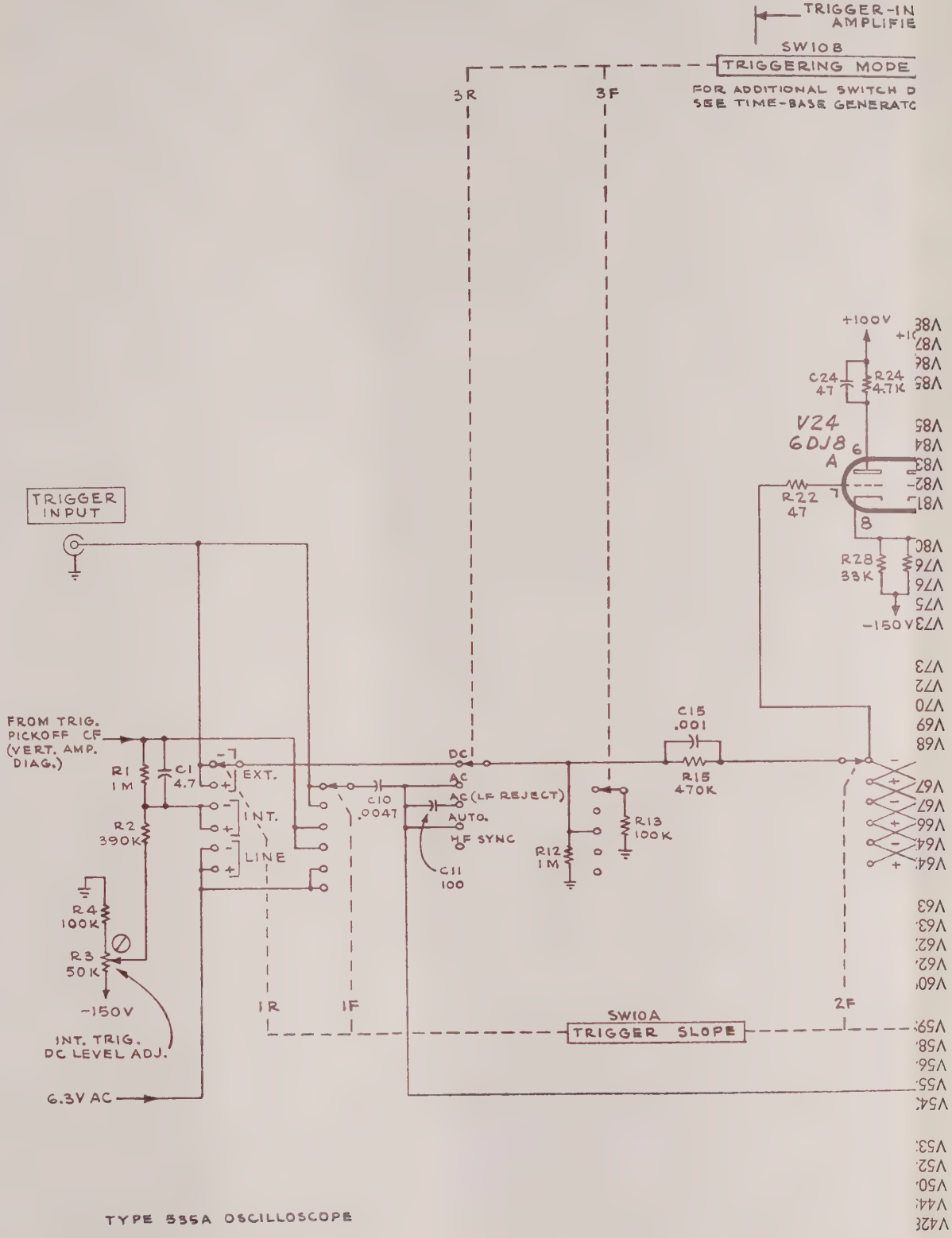
V24	6DJ8	154-187
V45	6DJ8	154-187
V74	6DJ8	154-187
V95	6DJ8	154-187
V114	6AU6	154-022
V122	T12G	158-001
V125	6AU6	154-022
V133	6DJ8	154-187
V135	6DJ8	154-187
V145	12BY7	154-047
V131	T12G GERMANIUM DIODE	152-008
V152	6AL5	154-016
V154	6DJ8	154-187
V161	6CL6	154-031
V173	6DJ8	154-187
V183	6DJ8	154-187
V193	6DJ8	154-187
V233	6DJ8	154-187
V235	6DJ8	154-187
V245	6AU6	154-022
V252	12AL5	154-038
V261	12AU6	154-040
V283	6DJ8	154-187
V293	6DJ8	154-187
V314	6DJ8	154-187
V343	6DJ8	154-187
V364	6DJ8	154-187
V384	6DJ8	154-187
V398	6CL6	154-031
V414	6AU6	154-022
V424	6AU6	154-022

			Tektronix Part Numbers
V428	6DJ8		154-187
V445	6DJ8		154-187
V504	12BY7		157-053
V524	12BY7		157-053
V533	6DJ8		154-187
V543	6DJ8		154-187
V554	6197		154-146
V564	6197		154-146
V584	ECC88/6DJ8		154-187
V593	ECC88/6DJ8		154-187
V609	5651		154-052
V624	12AX7		154-043
V627	12B4		154-044
V634	6AU6		154-022
V637	12B4		154-044
V642A,B,C,D	Silicone Rectifier	152-5001	~~106-056~~
V647	12B4		154-044
V664	6AU6		154-022
V672A,B,C,D	Silicone Rectifier	152-5001	~~106-056~~
V677	6080		154-056
V684	12AX7		154-043
V694	6AU6		154-022
V702A,B	Silicone Rectifier	152-5001	~~106-056~~
V724	6AU6		154-022
V732A,B	Silicone Rectifier	152-5001	~~106-056~~
V737	6AU6		154-056
V754	6080		154-022
V762A,B,C,D	Silicone Rectifier	152-5001	~~106-056~~
V767	12B4		154-044
V800	6AU5		154-021
V814	12AU7		154-041
V822	5642		154-051
V832	5642		154-051
V842	5642		154-051
V852	5642		154-051
V859	T533		154-165
V862	5642		154-051
V875	6AU6		154-022
V885	12AU7		154-165

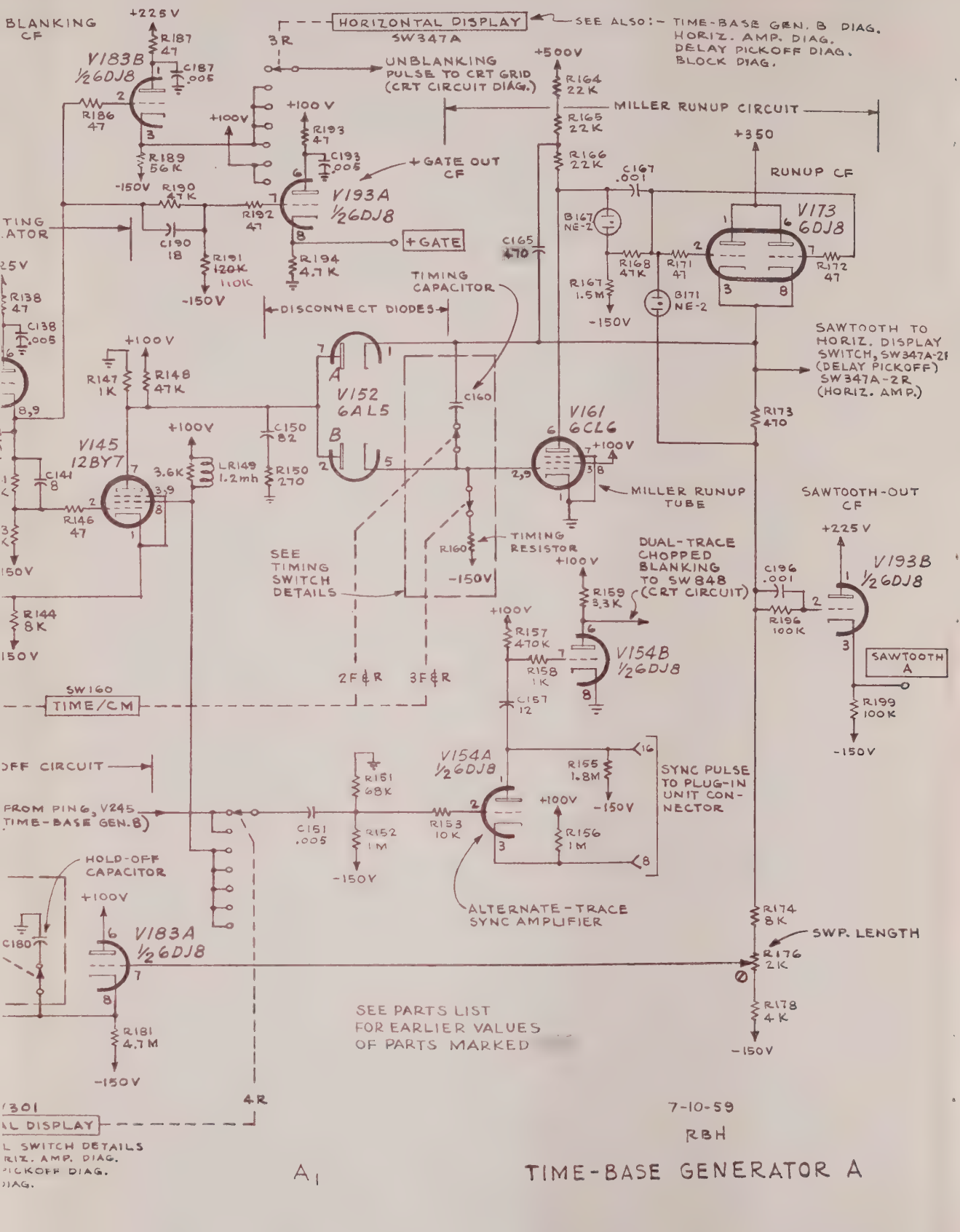


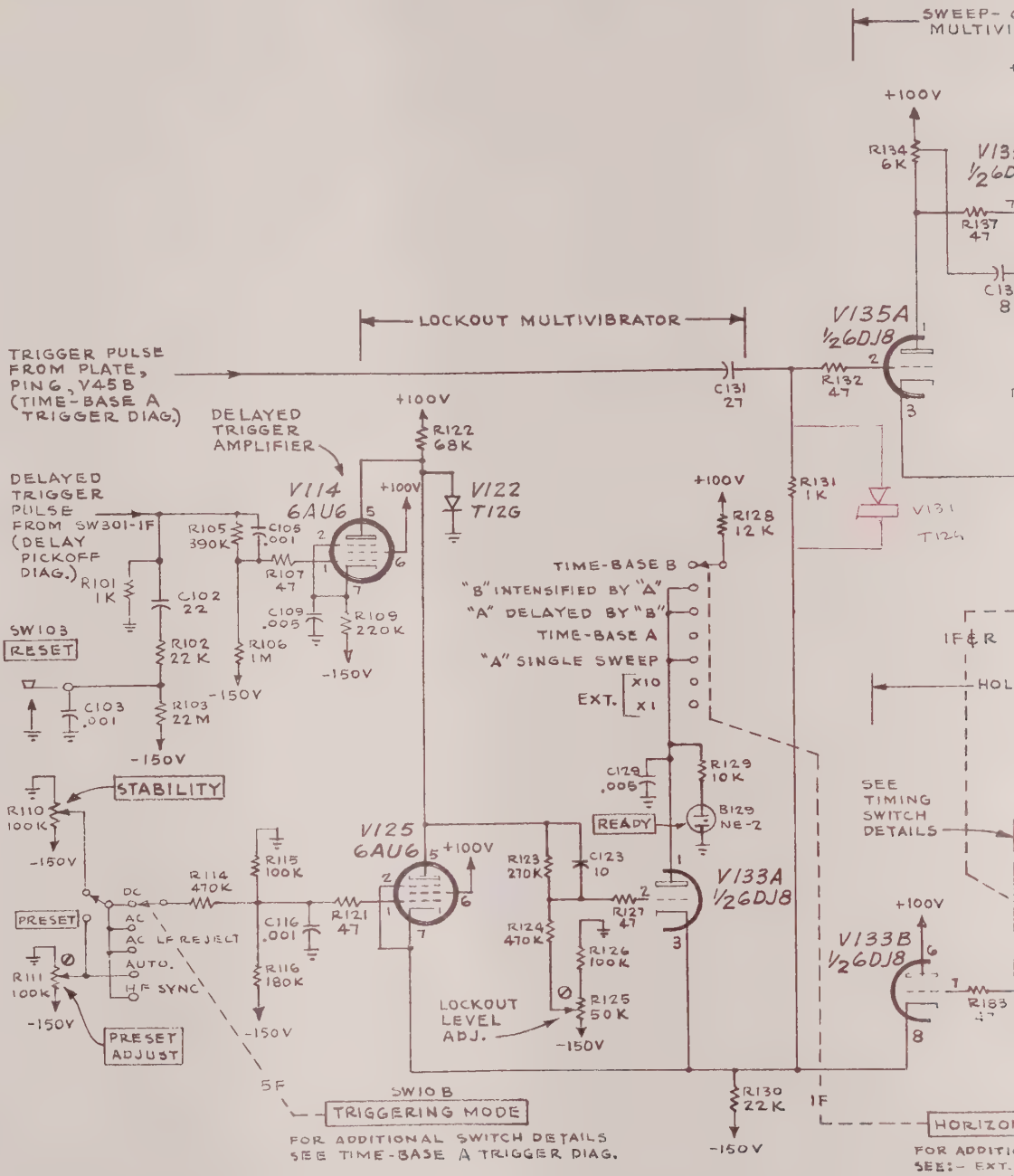
4-2-59
RBH

TIME-BASE A TRIGGER

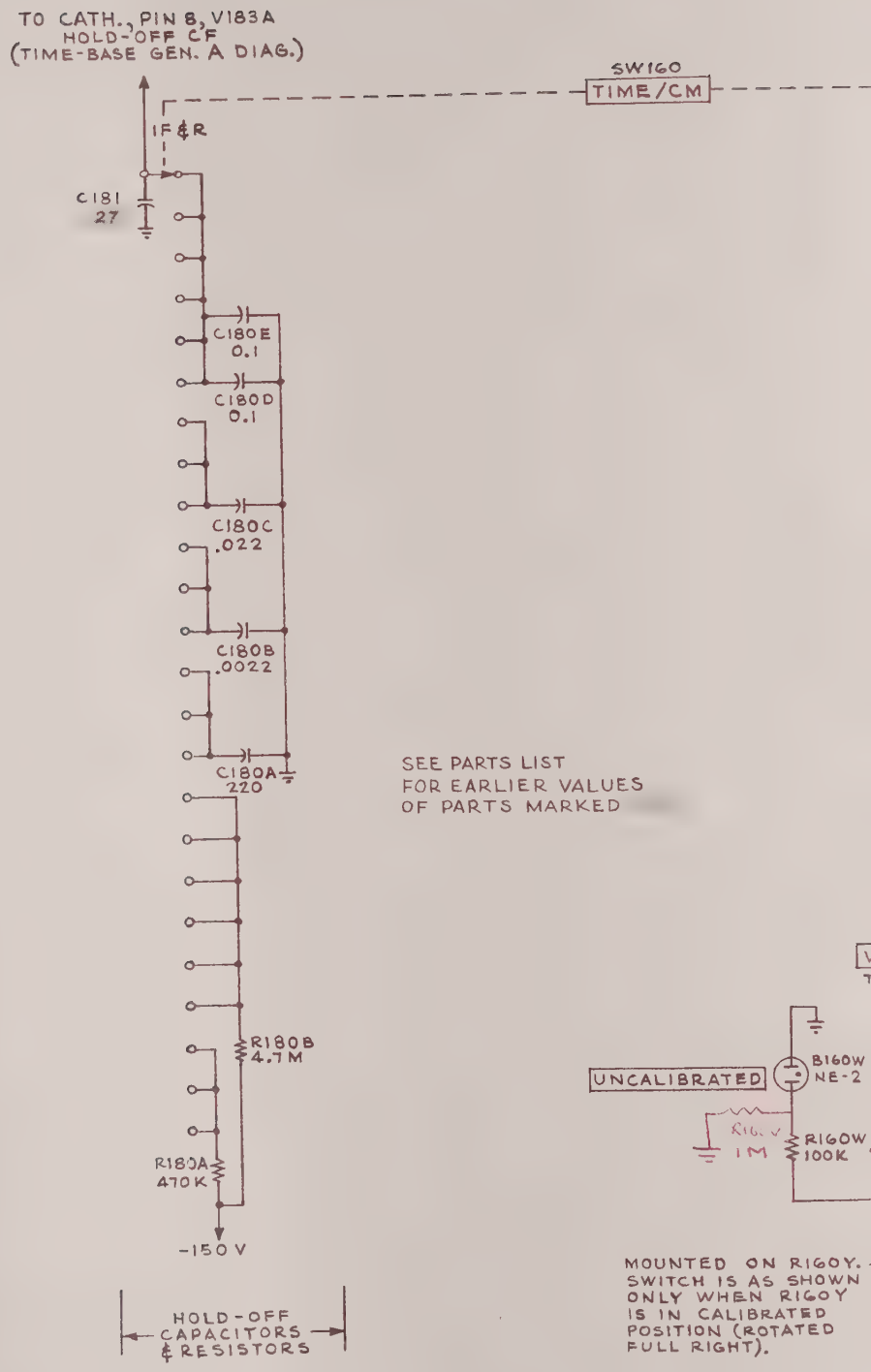


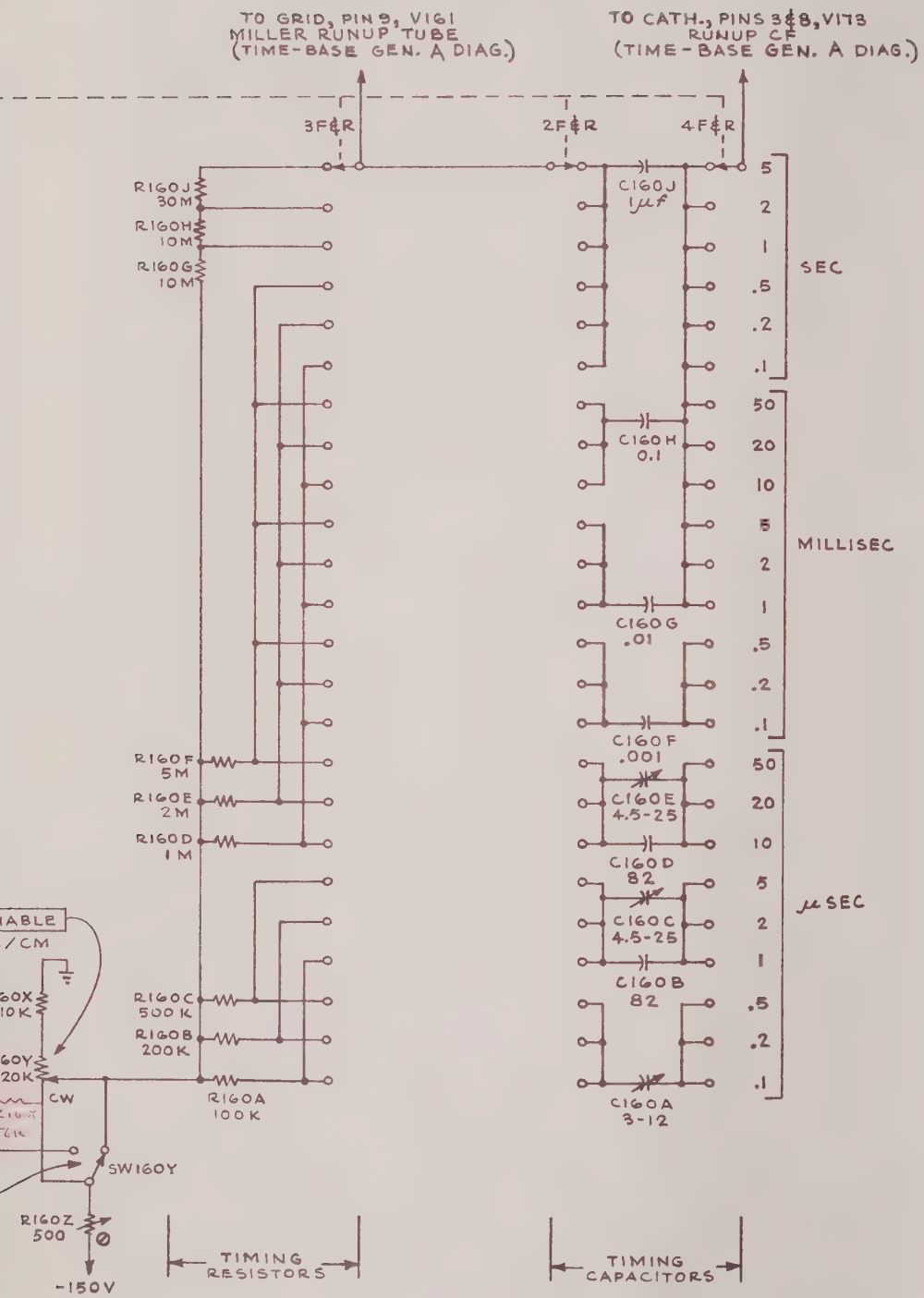
TYPE 535A OSCILLOSCOPE


HORIZONTAL DISPLAY SW347A
SEE ALSO:- TIME-BASE GEN. B DIAG. HORIZ. AMP. DIAG. DELAY PICKOFF DIAG. BLOCK DIAG.
UNBLANKING PULSE TO CRT GRID (CRT CIRCUIT DIAG.)
MILLER RUNUP CIRCUIT
RUNUP CF
+GATE OUT CF
+GATE
DISCONNECT DIODES
TIMING CAPACITOR
TIMING RESISTOR
MILLER RUNUP TUBE
SAWTOOTH TO HORIZ. DISPLAY SWITCH, SW347A-2F (DELAY PICKOFF) SW347A-2R (HORIZ. AMP.)
SAWTOOTH-OUT CF
SAWTOOTH A
DUAL-TRACE CHOPPED BLANKING TO SW848 (CRT CIRCUIT)
SEE TIMING SWITCH DETAILS
SW160 TIME/CM
2F & R
3F & R
SYNC PULSE TO PLUG-IN UNIT CONNECTOR
ALTERNATE-TRACE SYNC AMPLIFIER
HOLD-OFF CAPACITOR
SWP. LENGTH
SEE PARTS LIST FOR EARLIER VALUES OF PARTS MARKED
V183B ½6DJ8
V193A ½6DJ8
V152 6AL5
V161 6CL6
V145 12BY7
V173 6DJ8
V154B ½6DJ8
V154A ½6DJ8
V193B ½6DJ8
V183A ½6DJ8
+225V
+100V
+500V
+350
-150V
7-10-59
RBH
A1
TIME-BASE GENERATOR A



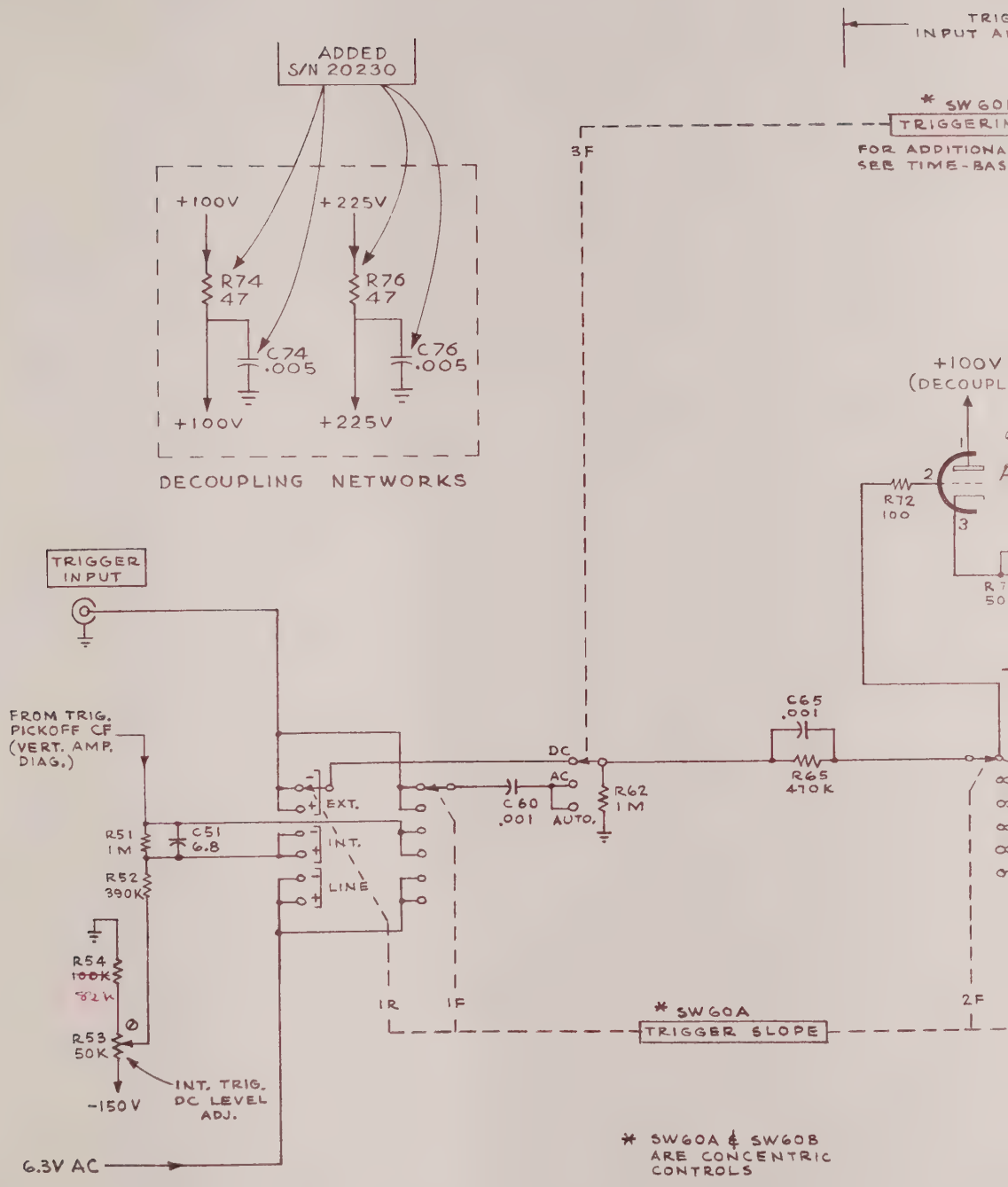
TYPE 535A OSCILLOSCOPE

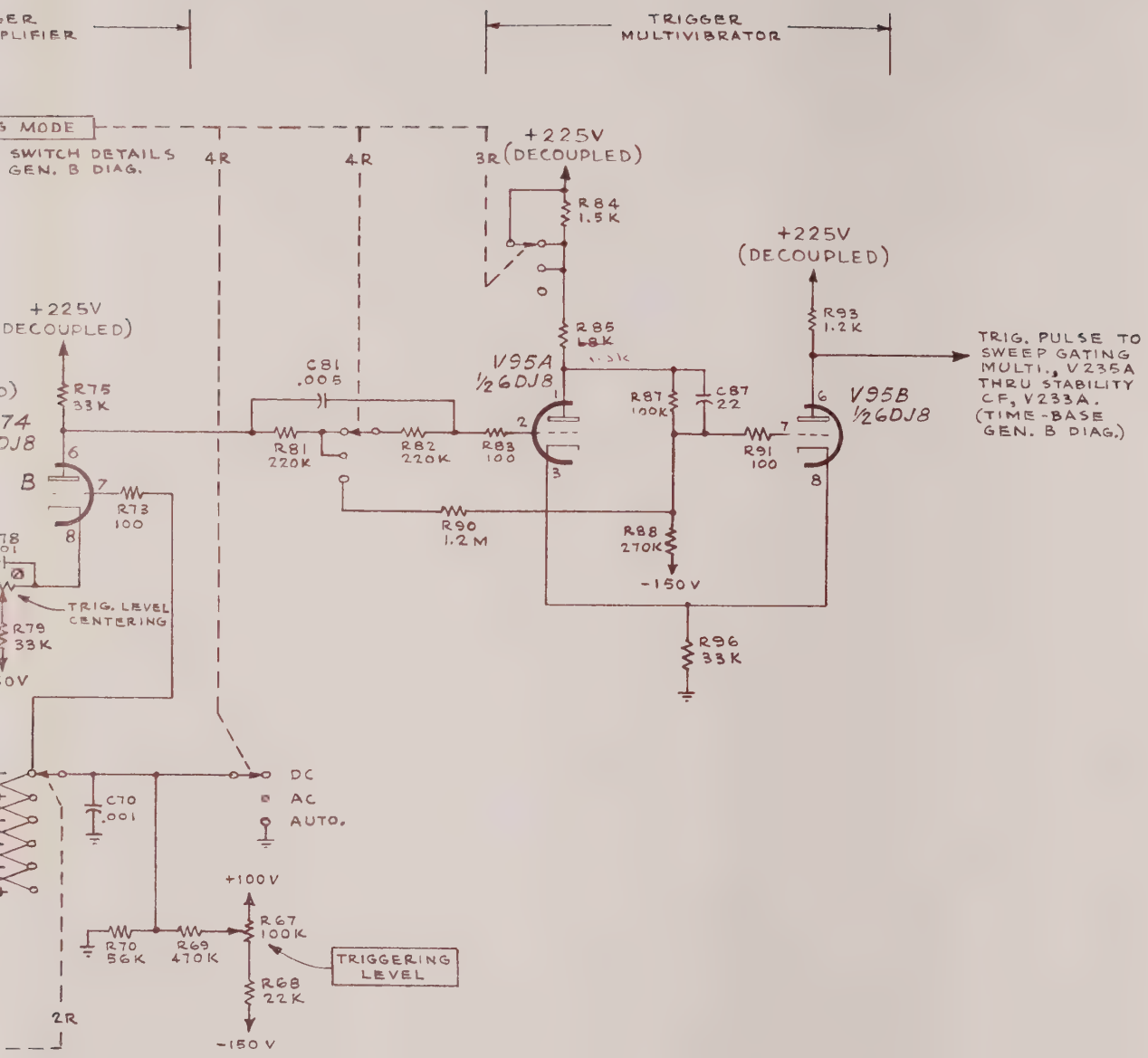

TO CATH., PIN 8, V183A
HOLD-OFF C'F
(TIME-BASE GEN. A DIAG.)
SW160
TIME/CM
IF & R
C181
27
C180E
0.1
C180D
0.1
C180C
.022
C180B
.0022
C180A
220
R180B
4.7M
R180A
470K
-150 V
HOLD-OFF
CAPACITORS
& RESISTORS
SEE PARTS LIST
FOR EARLIER VALUES
OF PARTS MARKED
UNCALIBRATED
B160W
NE-2
R160W
100K
1M
MOUNTED ON R160Y.
SWITCH IS AS SHOWN
ONLY WHEN R160Y
IS IN CALIBRATED
POSITION (ROTATED
FULL RIGHT).



7-10-59
RBH

TIME-BASE A TIMING SWITCH

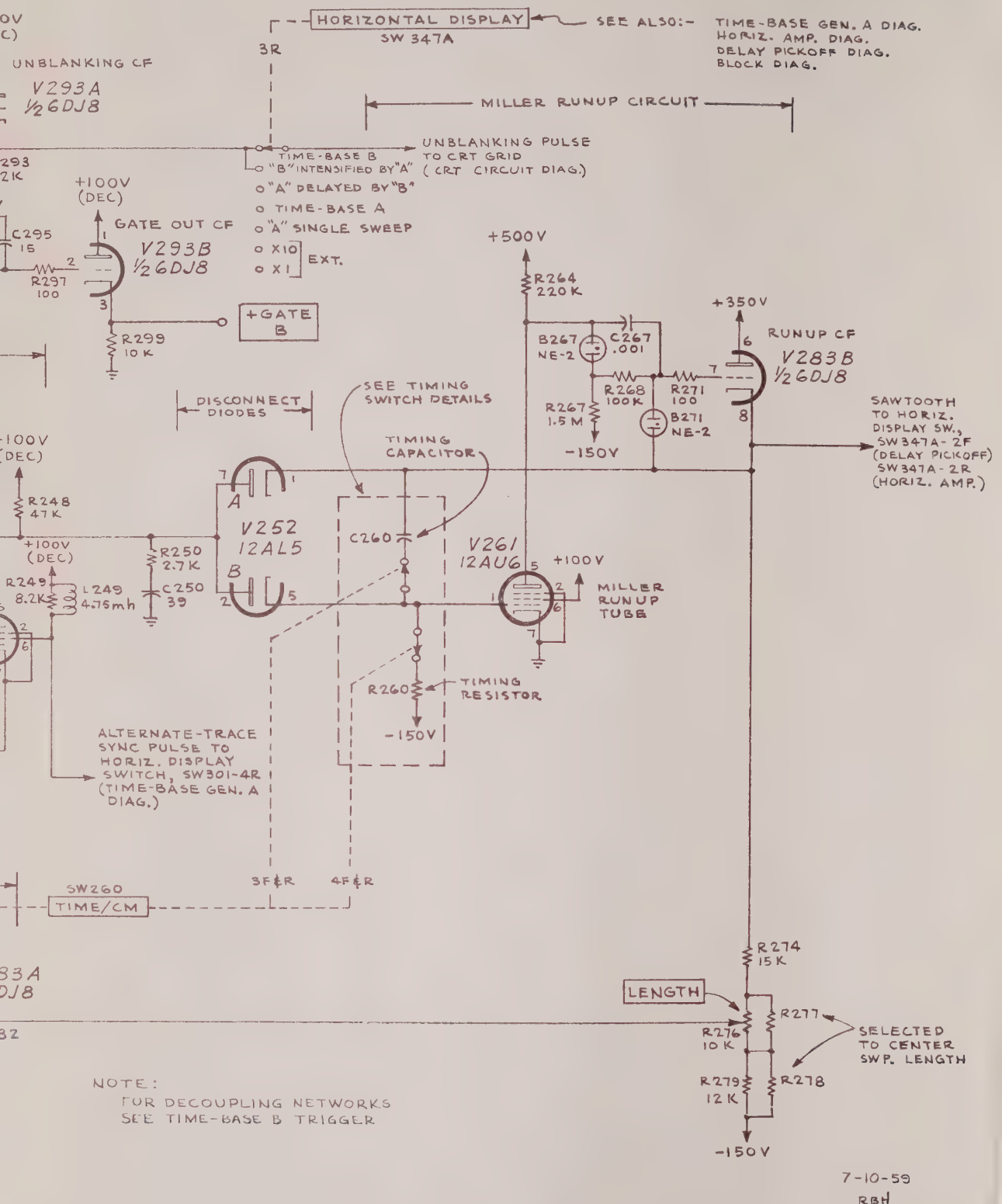

ADDED
S/N 20230
+100V
+225V
R74
47
R76
47
C74
.005
C76
.005
+100V
+225V
DECOUPLING NETWORKS
TRIG
INPUT A
* SW 60
TRIGGERIN
FOR ADDITIONA
SEE TIME-BAS
3F
+100V
(DECOUPL
R72
100
TRIGGER
INPUT
FROM TRIG.
PICKOFF CF
(VERT. AMP.
DIAG.)
R51
1M
C51
6.8
R52
390K
R54
100K
82K
R53
50K
-150V
INT. TRIG.
DC LEVEL
ADJ.
6.3V AC
EXT.
INT.
LINE
DC
AC
AUTO.
C60
.001
R62
1M
C65
.001
R65
470K
1R
1F
2F
* SW60A
TRIGGER SLOPE
* SW60A & SW60B
ARE CONCENTRIC
CONTROLS



7-10-59
RBH

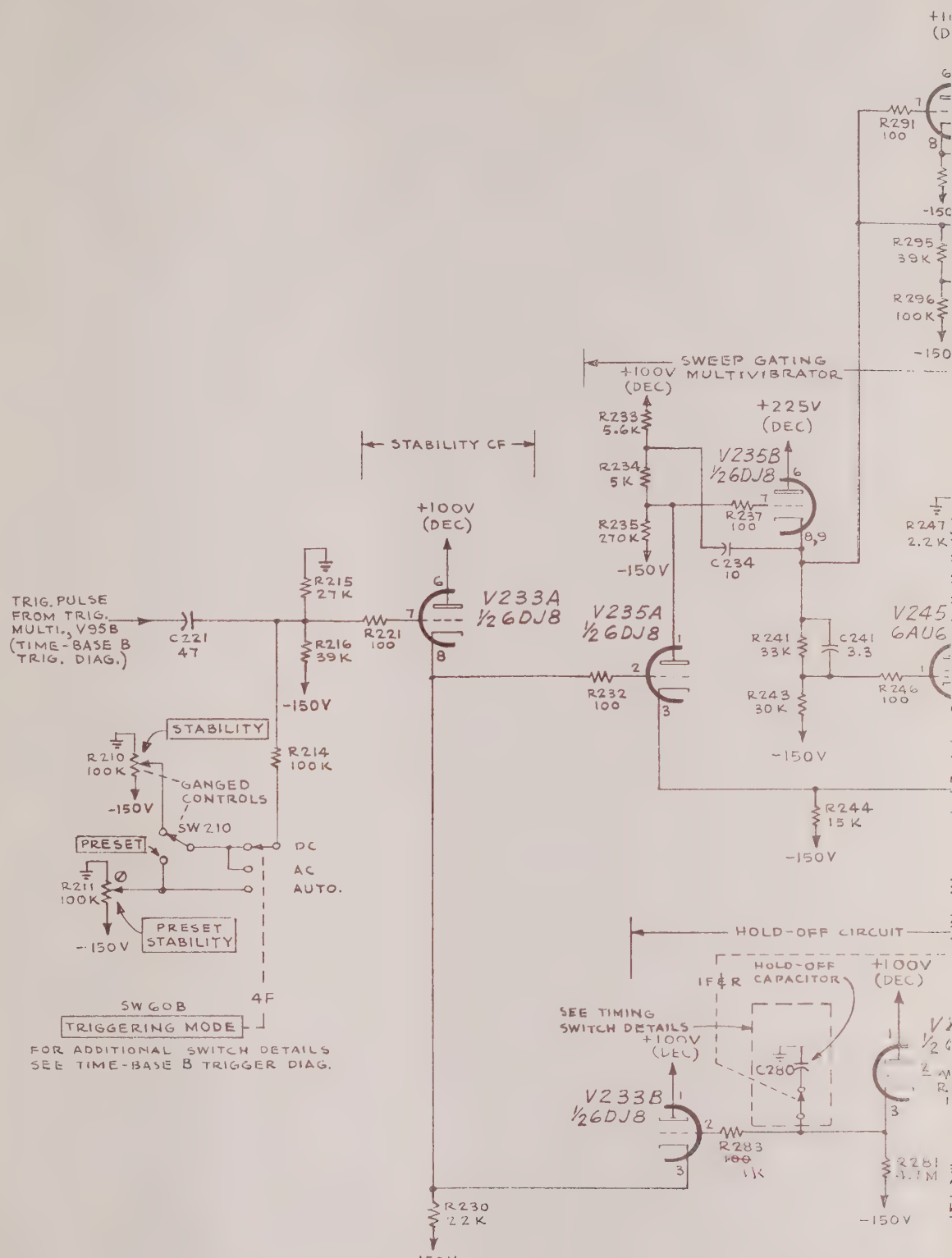
TIME-BASE B
TRIGGER

B

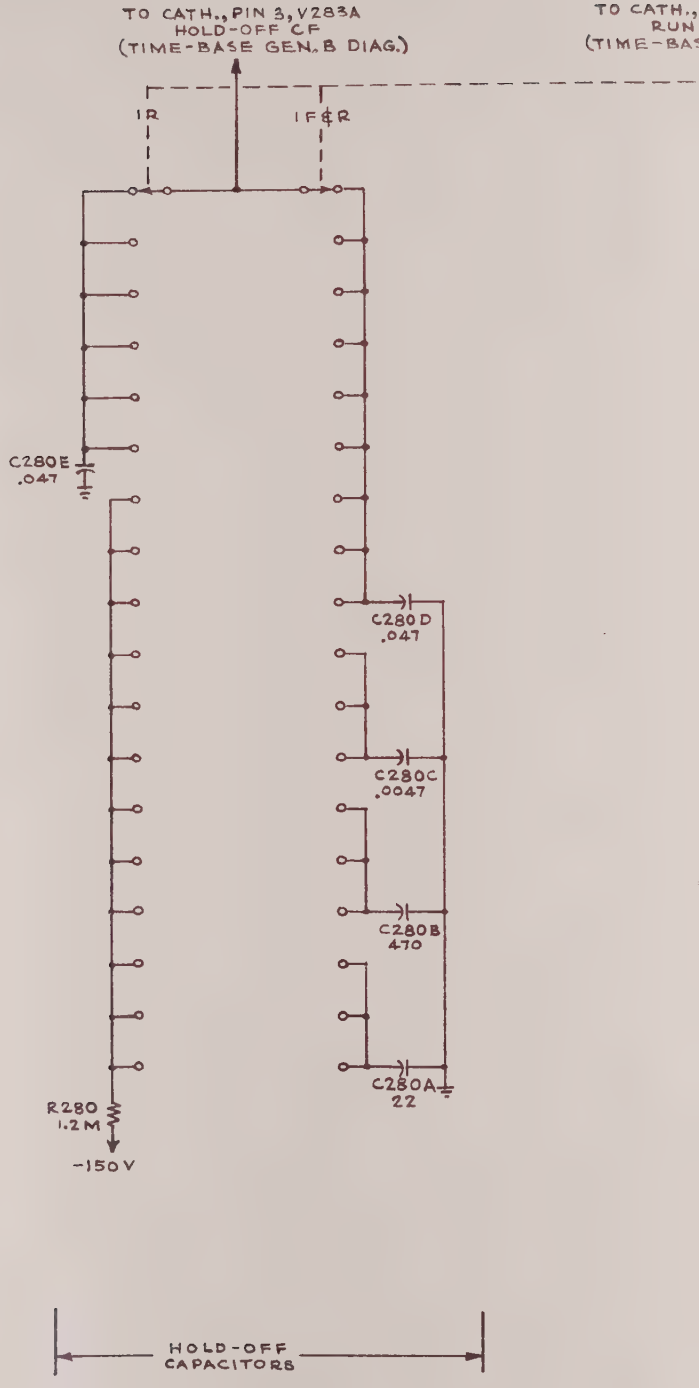


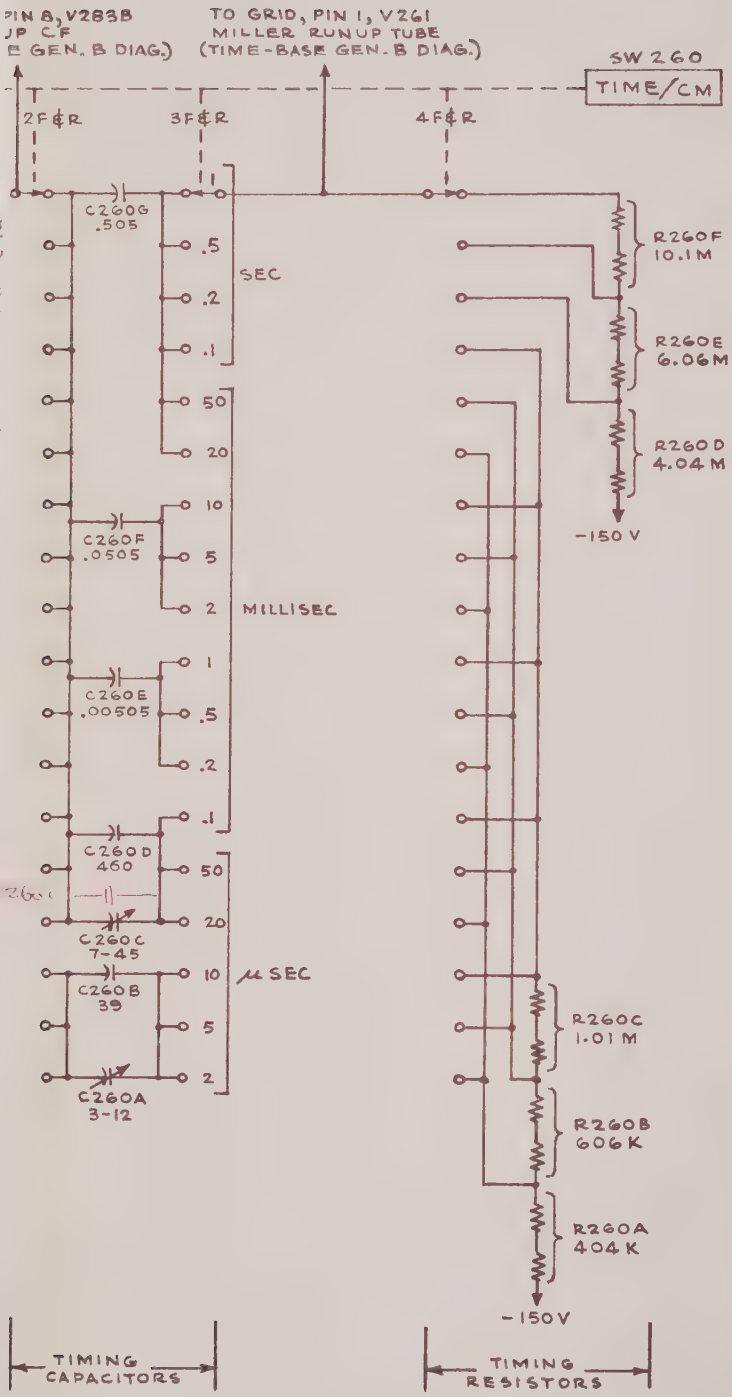
B

TIME-BASE GENERATOR B



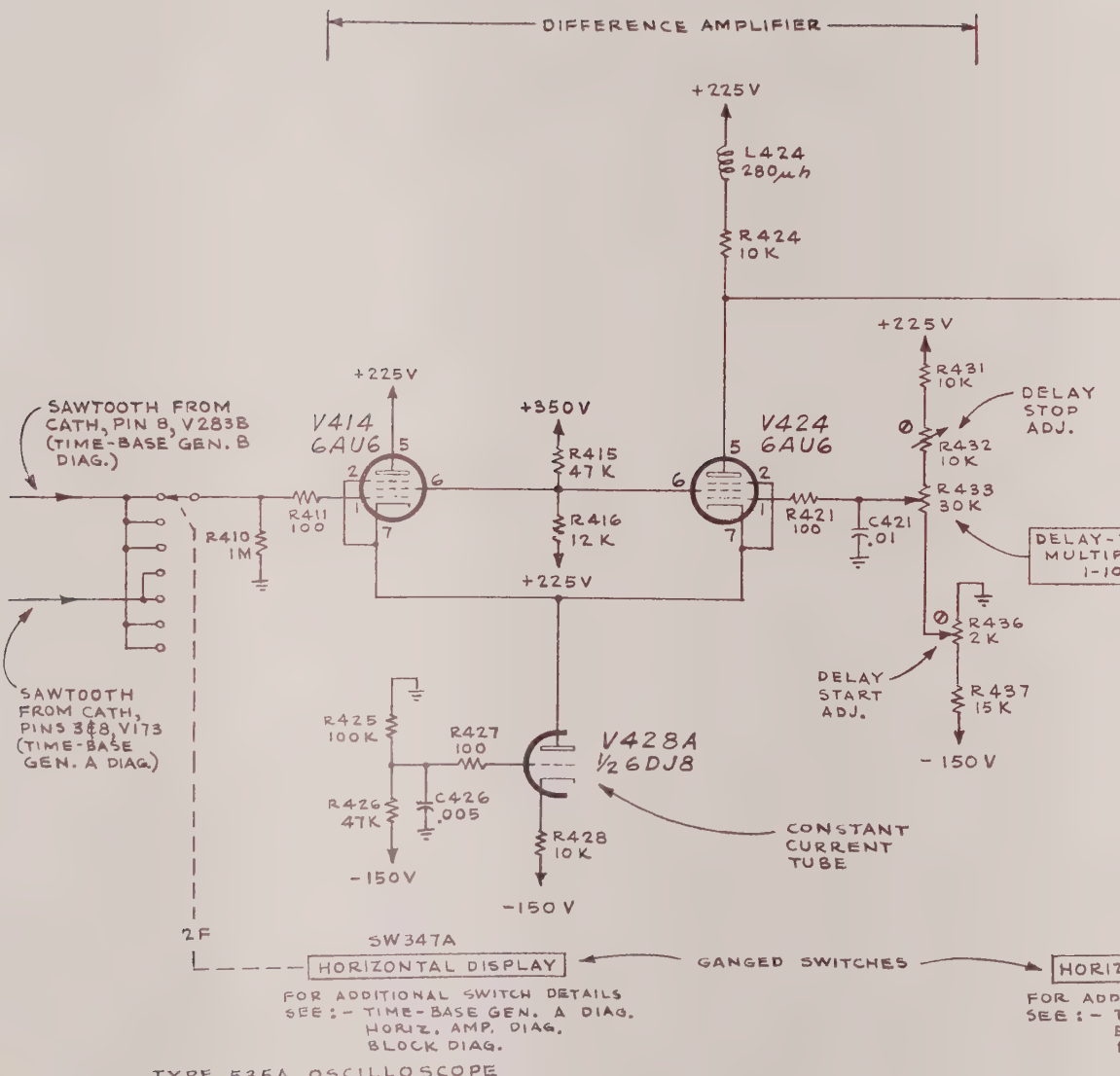
TYPE 535A OSCILLOSCOPE


TO CATH., PIN 3, V283A
HOLD-OFF CF
(TIME-BASE GEN. B DIAG.)
TO CATH.,
RUN
(TIME-BAS
1R
1F&R
C280E
.047
C280D
.047
C280C
.0047
C280B
470
C280A
22
R280
1.2M
-150V
HOLD-OFF
CAPACITORS

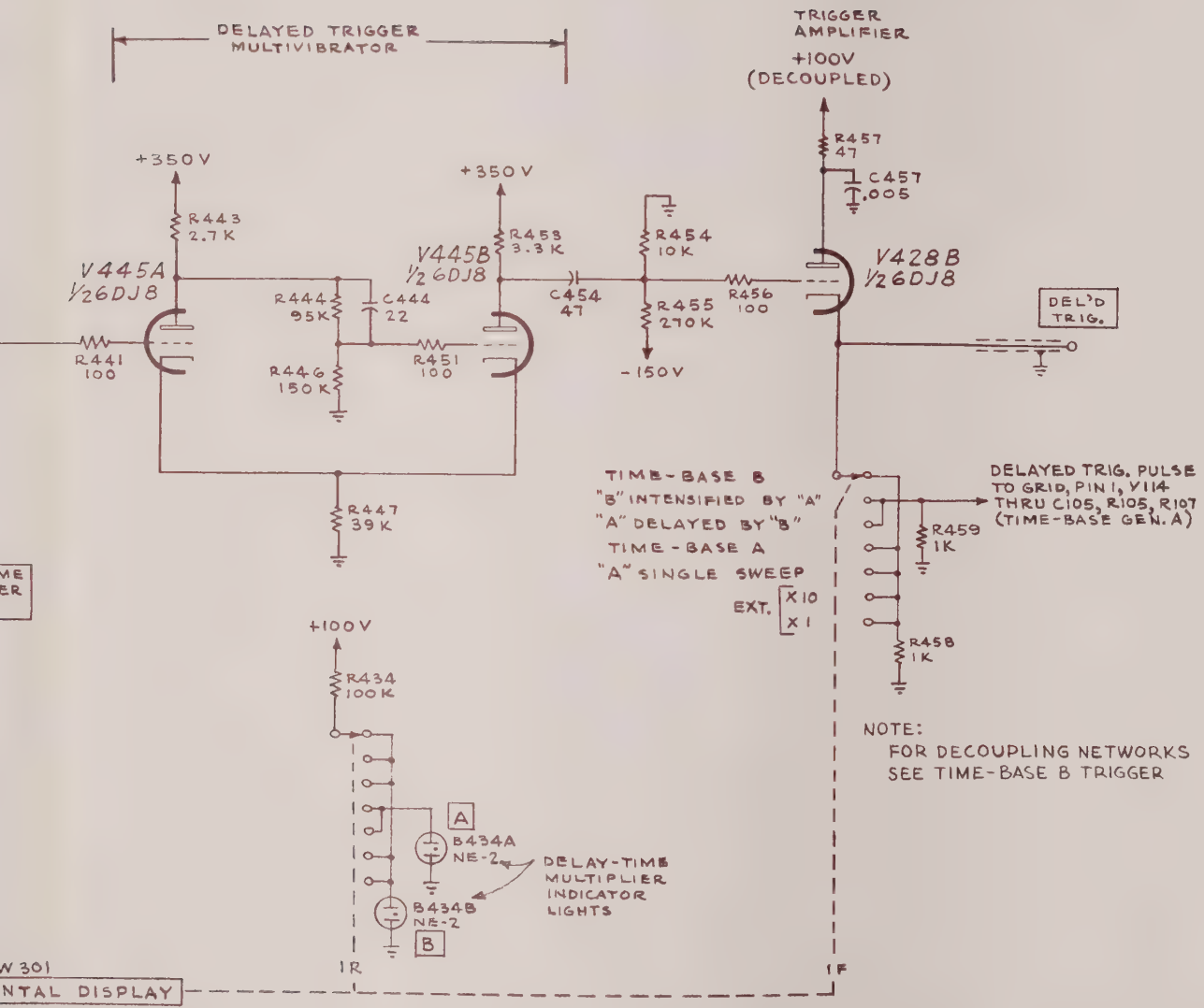


4-2-59
RBH

TIME-BASE B TIMING SWITCH



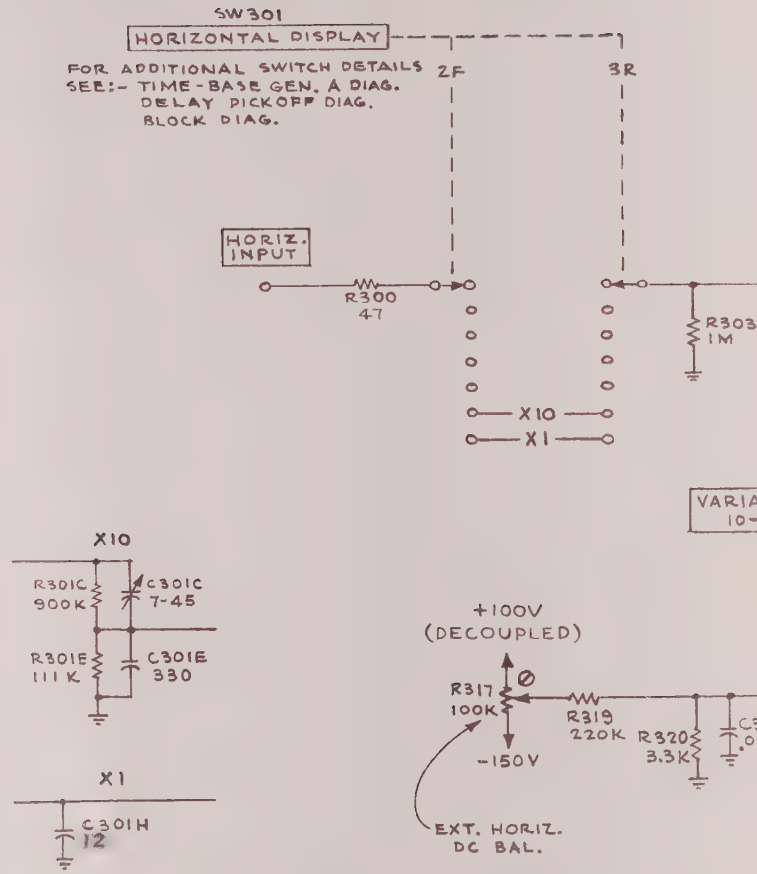
TYPE 535A OSCILLOSCOPE



7-10-59
RBH

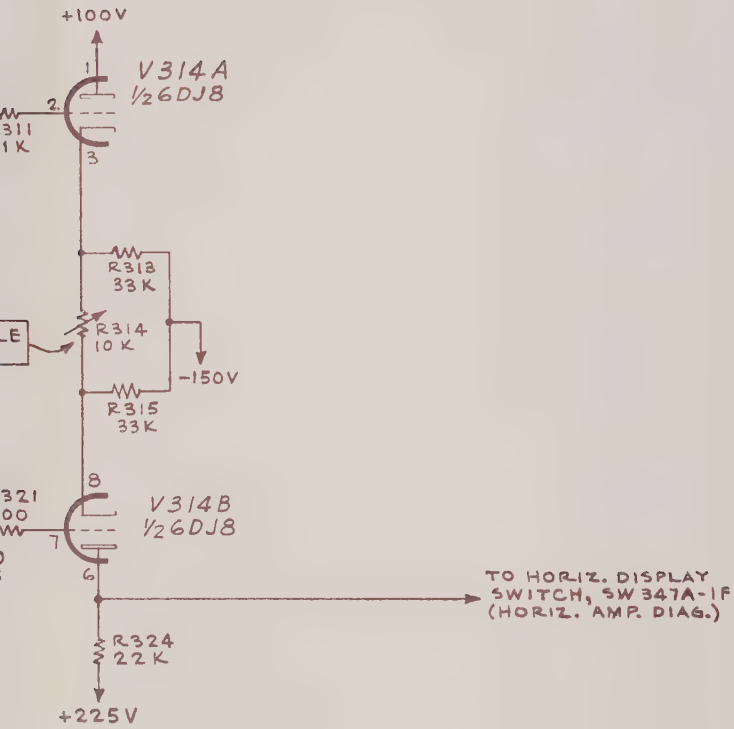
B

DELAY PICKOFF



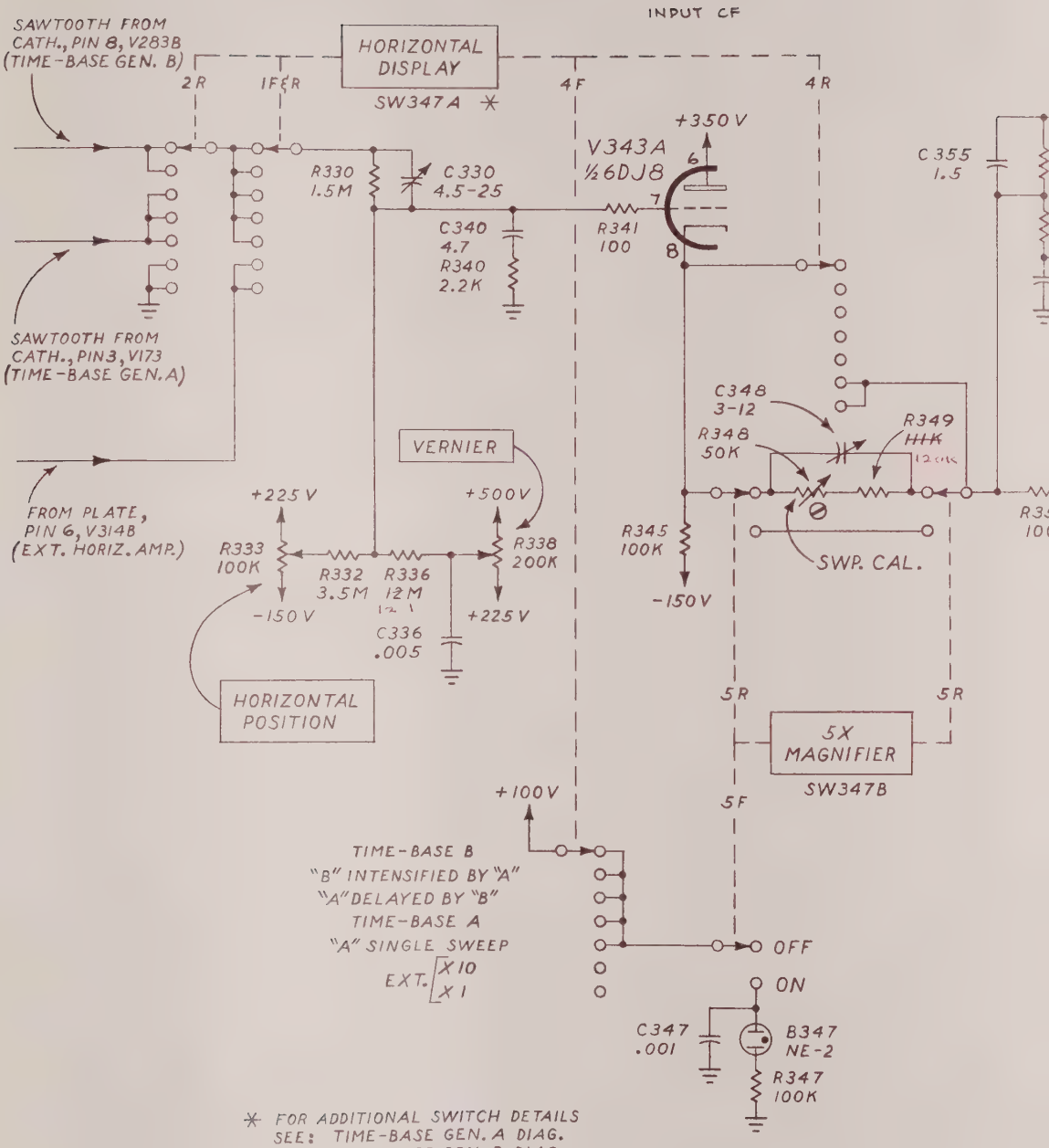
SEE PARTS LIST FOR EARLIER VALUES OF PARTS MARKED:

NOTE:
FOR DECOUPLING NE
SEE TIME-BASE B T



7-10-59
RBH

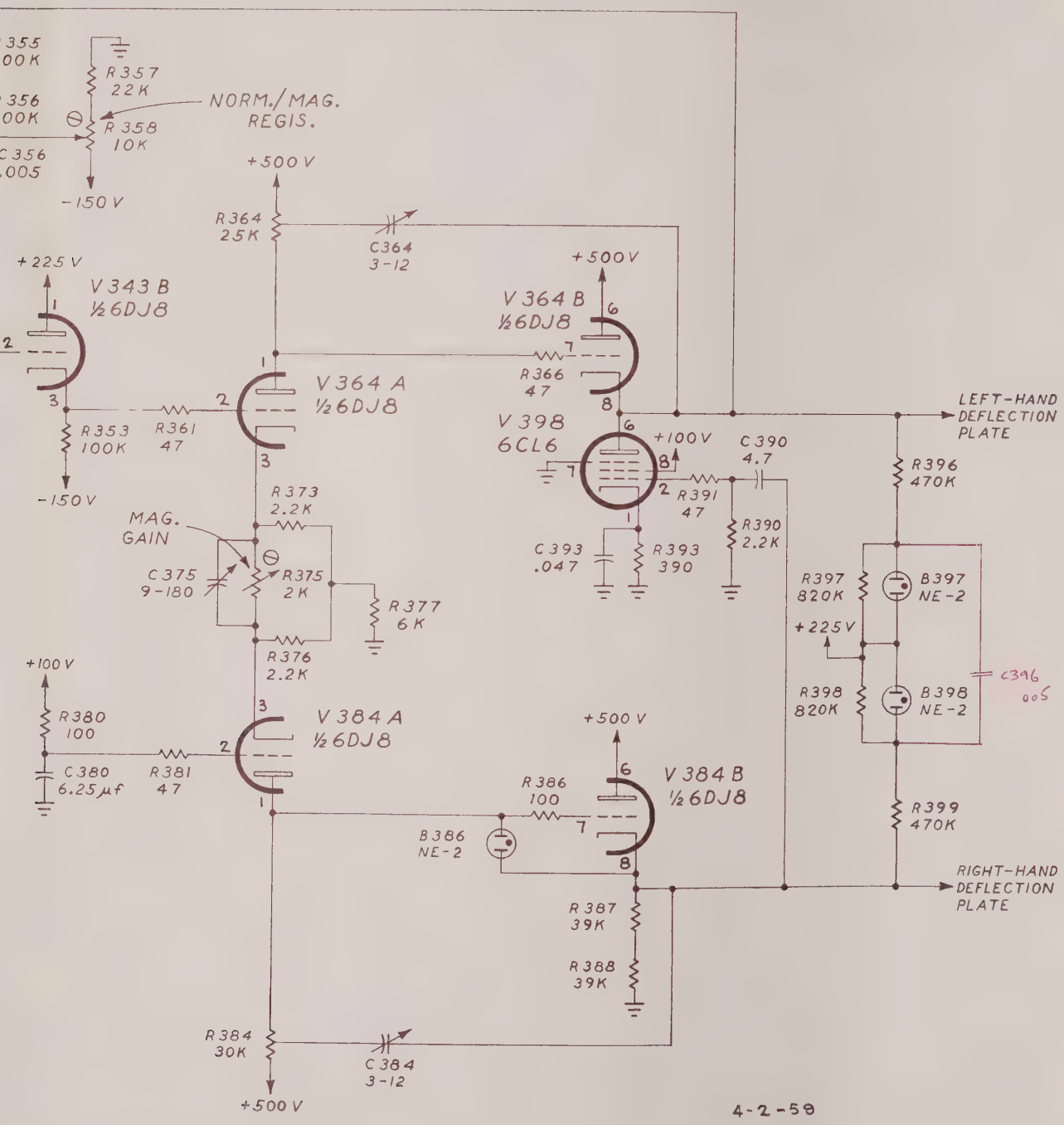
EXTERNAL HORIZONTAL AMPLIFIER


INPUT CF
SAWTOOTH FROM CATH., PIN 8, V283B (TIME-BASE GEN. B)
HORIZONTAL DISPLAY
SW347A *
2R
IF&R
4F
4R
+350 V
V343A
½6DJ8
6
7
8
R330 1.5M
C330 4.5-25
C340 4.7
R340 2.2K
R341 100
C355 1.5
SAWTOOTH FROM CATH., PIN 3, V173 (TIME-BASE GEN. A)
C348 3-12
R349 HIK
R348 50K
VERNIER
FROM PLATE, PIN 6, V314B (EXT. HORIZ. AMP.)
+225 V
+500 V
R333 100K
R332 3.5M
R336 12M
R338 200K
-150 V
+225 V
C336 .005
R345 100K
-150 V
SWP. CAL.
HORIZONTAL POSITION
5R
5R
5X MAGNIFIER
SW347B
+100 V
5F
TIME-BASE B
"B" INTENSIFIED BY "A"
"A" DELAYED BY "B"
TIME-BASE A
"A" SINGLE SWEEP
EXT. X10 X1
OFF
ON
C347 .001
B347 NE-2
R347 100K
* FOR ADDITIONAL SWITCH DETAILS SEE: TIME-BASE GEN. A DIAG.
TIME-BASE GEN. B DIAG.
DELAY PICKOFF DIAG.
BLOCK DIAG.

RIVER CF

OUTPUT AMPLIFIER

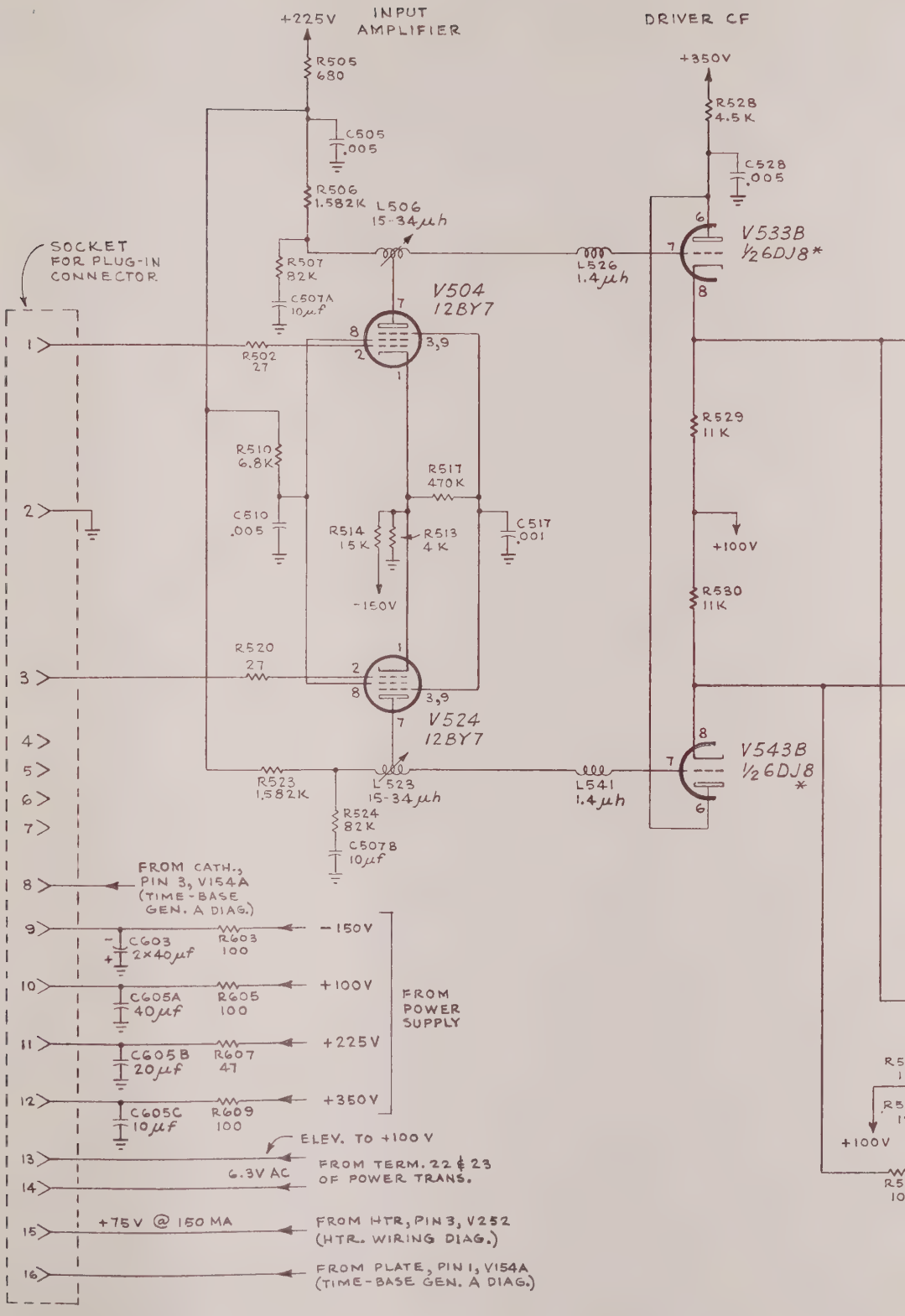
OUTPUT CFs & HF CAPACITANCE DRIVER

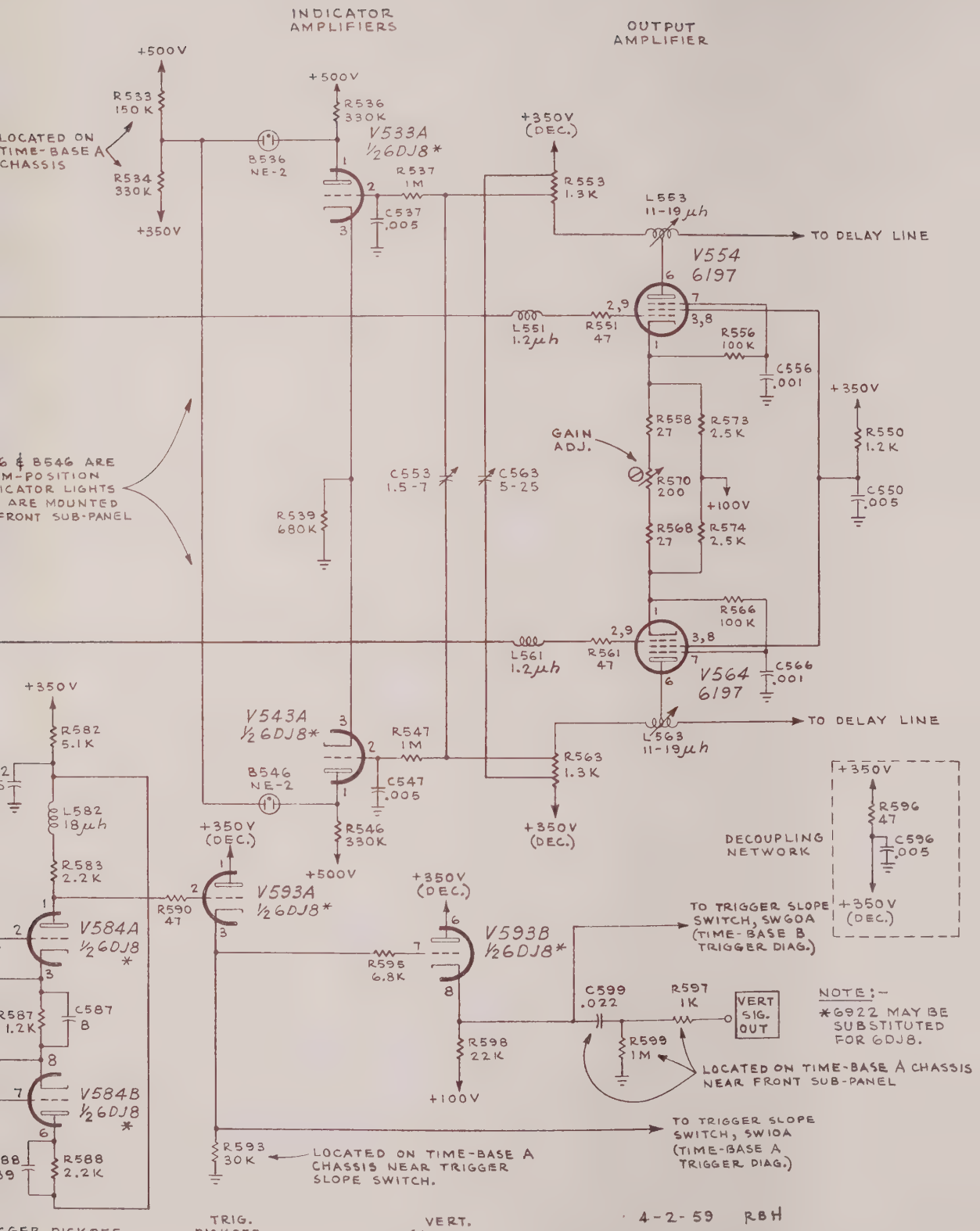


4-2-59

D.B.L.

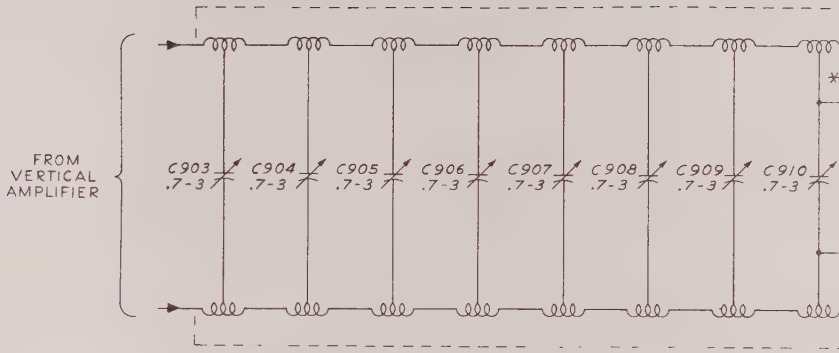
HORIZONTAL AMPLIFIER

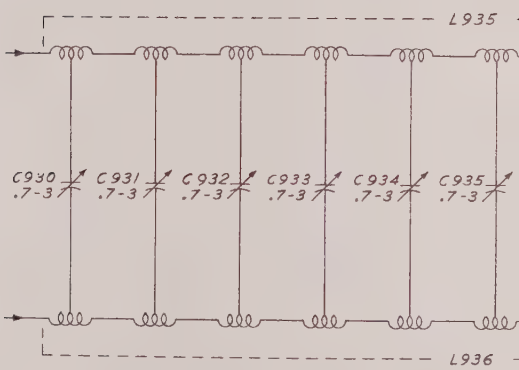

+225V
INPUT AMPLIFIER
DRIVER CF
+350V
R505 680
C505 .005
R506 1.582K
L506 15-34μh
R507 82K
C507A 10μf
V504 12BY7
R502 27
R510 6.8K
C510 .005
R517 470K
R514 15K
R513 4K
C517 .001
-150V
R520 27
V524 12BY7
R523 1.582K
L523 15-34μh
R524 82K
C507B 10μf
L526 1.4μh
L541 1.4μh
R528 4.5K
C528 .005
V533B ½6DJ8*
V543B ½6DJ8*
R529 11K
+100V
R530 11K
SOCKET FOR PLUG-IN CONNECTOR
FROM CATH., PIN 3, V154A (TIME-BASE GEN. A DIAG.)
C603 2x40μf
R603 100
-150V
C605A 40μf
R605 100
+100V
C605B 20μf
R607 47
+225V
C605C 10μf
R609 100
+350V
FROM POWER SUPPLY
ELEV. TO +100 V
6.3V AC
FROM TERM. 22 & 23 OF POWER TRANS.
+75V @ 150 MA
FROM HTR, PIN 3, V252 (HTR. WIRING DIAG.)
FROM PLATE, PIN 1, V154A (TIME-BASE GEN. A DIAG.)

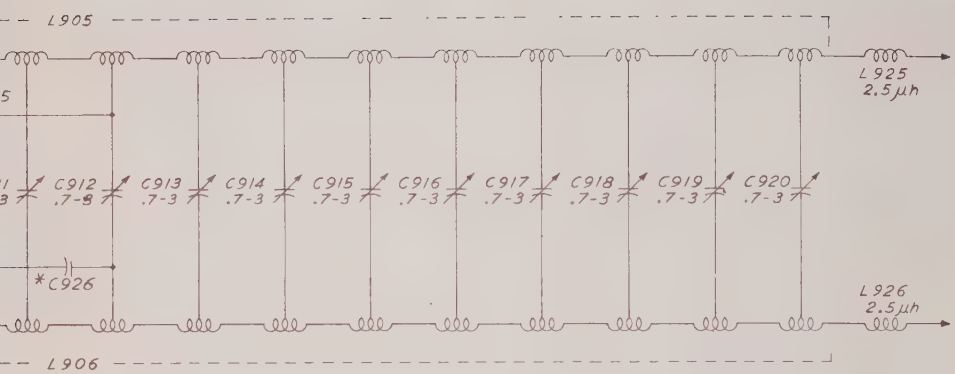


4-2-59 RBH

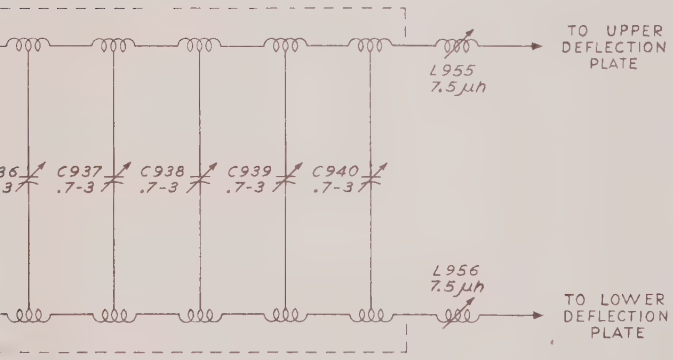
VERTICAL AMPLIFIER


FROM
VERTICAL
AMPLIFIER
C903
.7-3
C904
.7-3
C905
.7-3
C906
.7-3
C907
.7-3
C908
.7-3
C909
.7-3
C910
.7-3


L935
C930
.7-3
C931
.7-3
C932
.7-3
C933
.7-3
C934
.7-3
C935
.7-3
L936



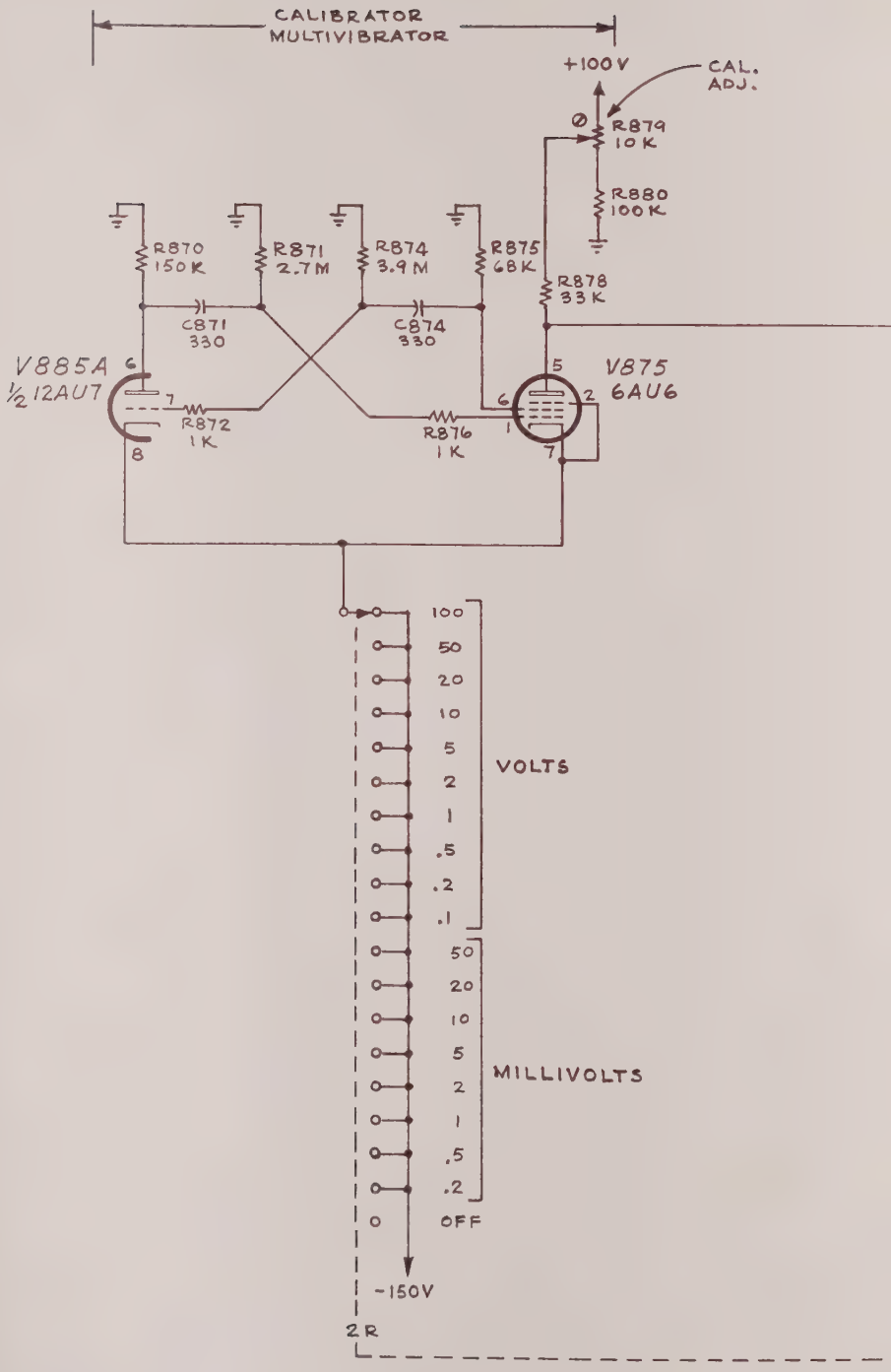
PARTS LIST



4-2-59 JR

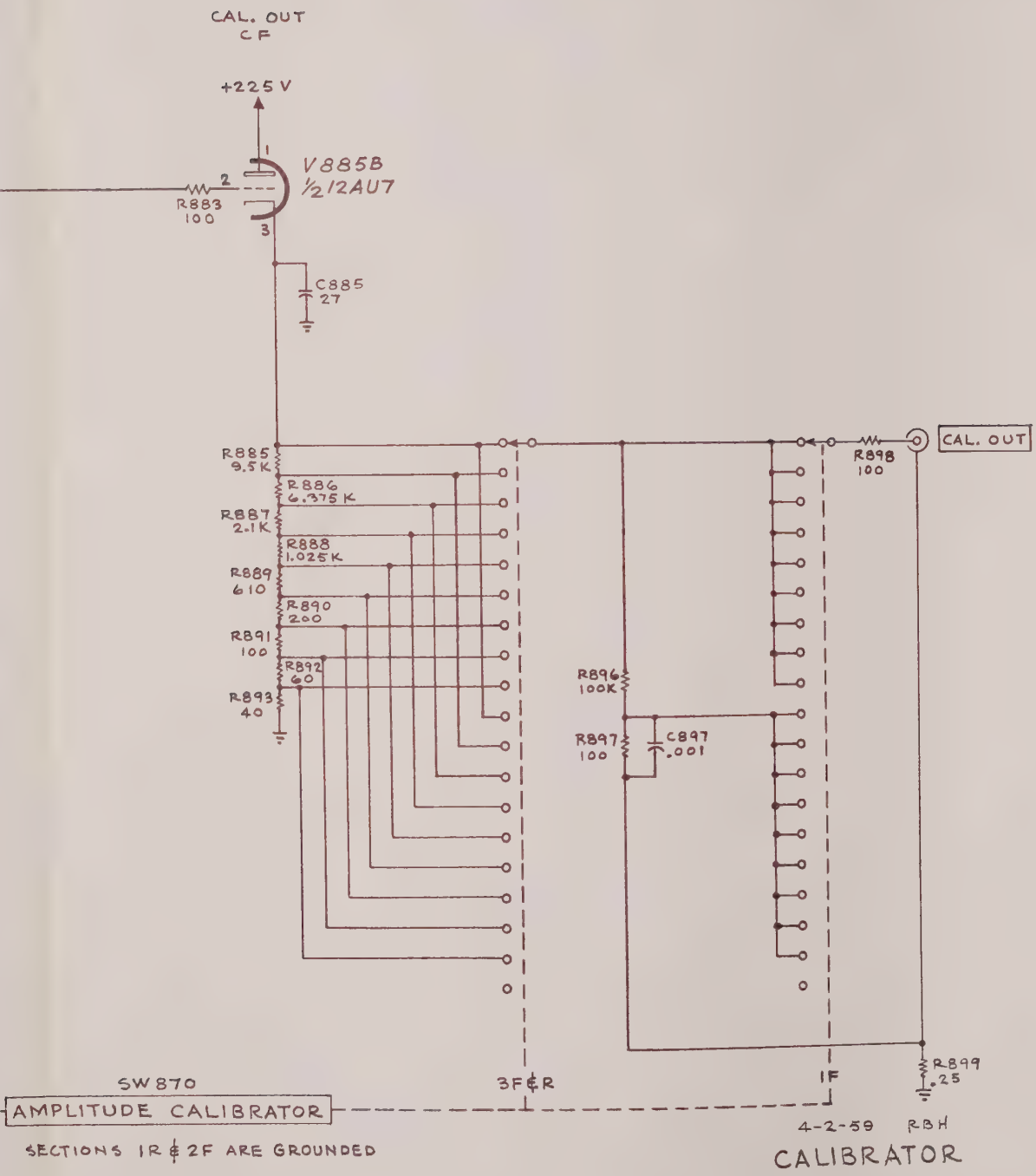
A

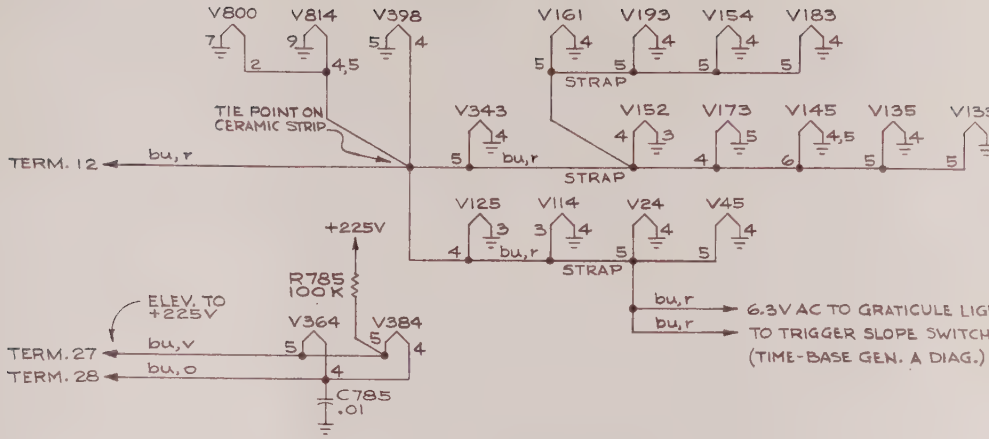
DELAY LINE NETWORK



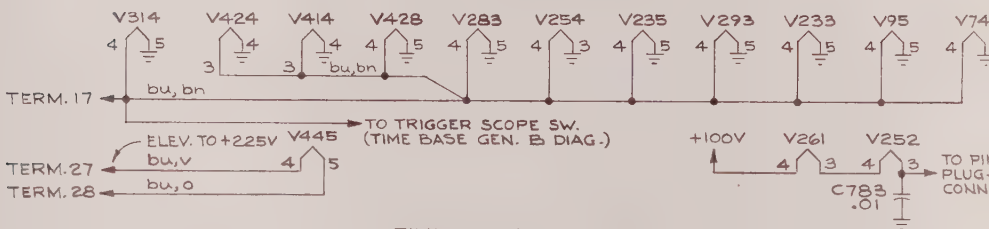
· TYPE 535A OSCILLOSCOPE

A

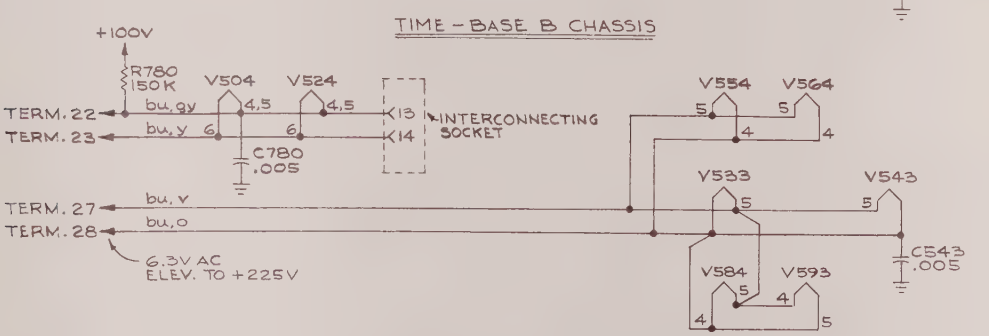

CAL. OUT
CF
+225 V
V885B
½12AU7
R883
100
C885
27
R885
9.5K
R886
6.375 K
R887
2.1K
R888
1.025K
R889
610
R890
200
R891
100
R892
60
R893
40
R896
100K
R897
100
C897
.001
R898
100
CAL. OUT
R899
.25
SW870
AMPLITUDE CALIBRATOR
SECTIONS 1R & 2F ARE GROUNDED
3F&R
1F
4-2-59 RBH
CALIBRATOR



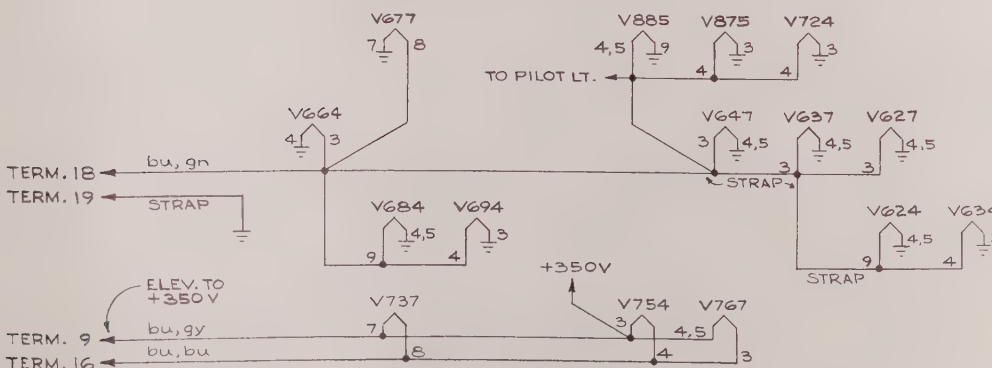
TIME - BASE A CHASSIS



TIME - BASE B CHASSIS



VERTICAL AMPLIFIER CHASSIS

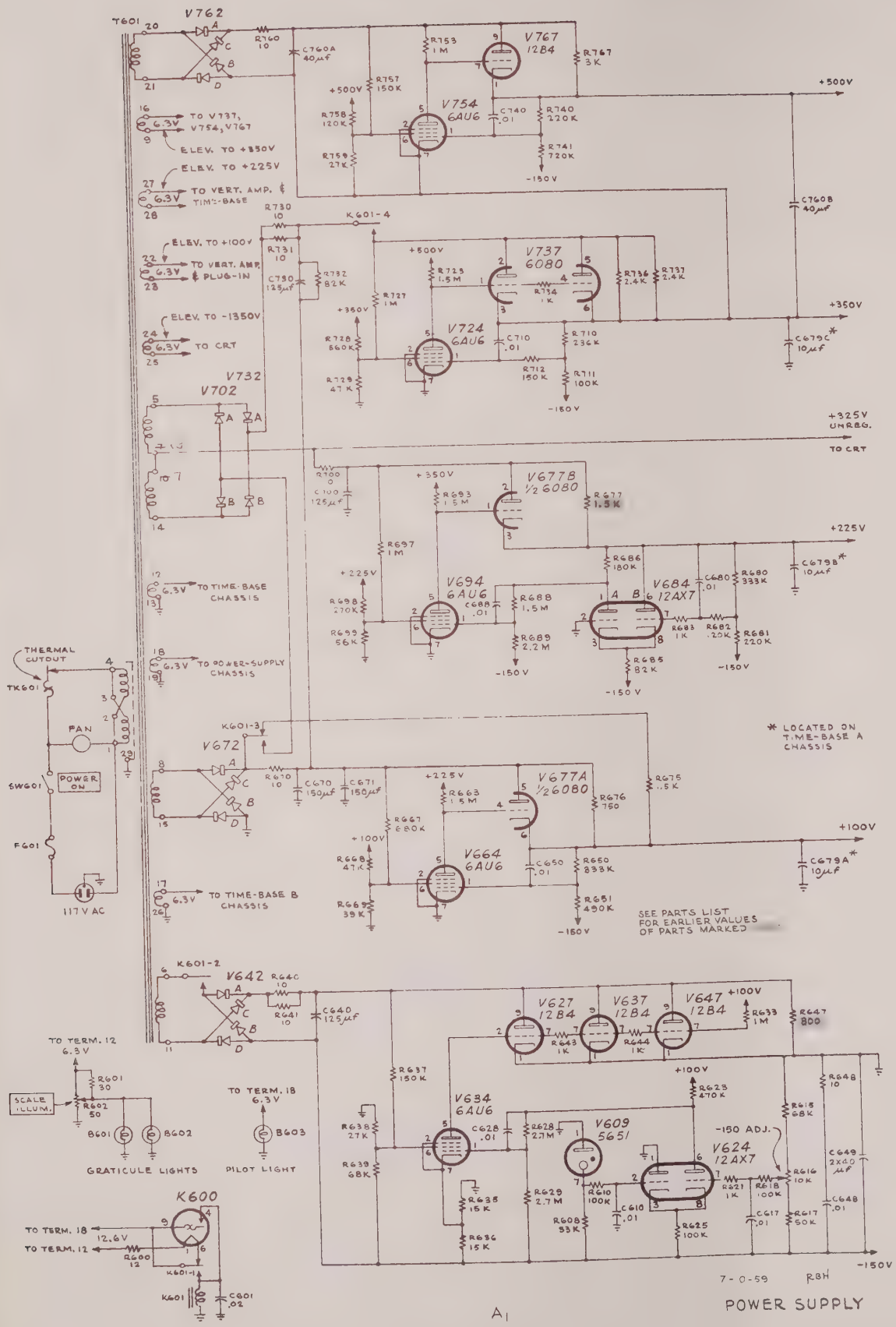


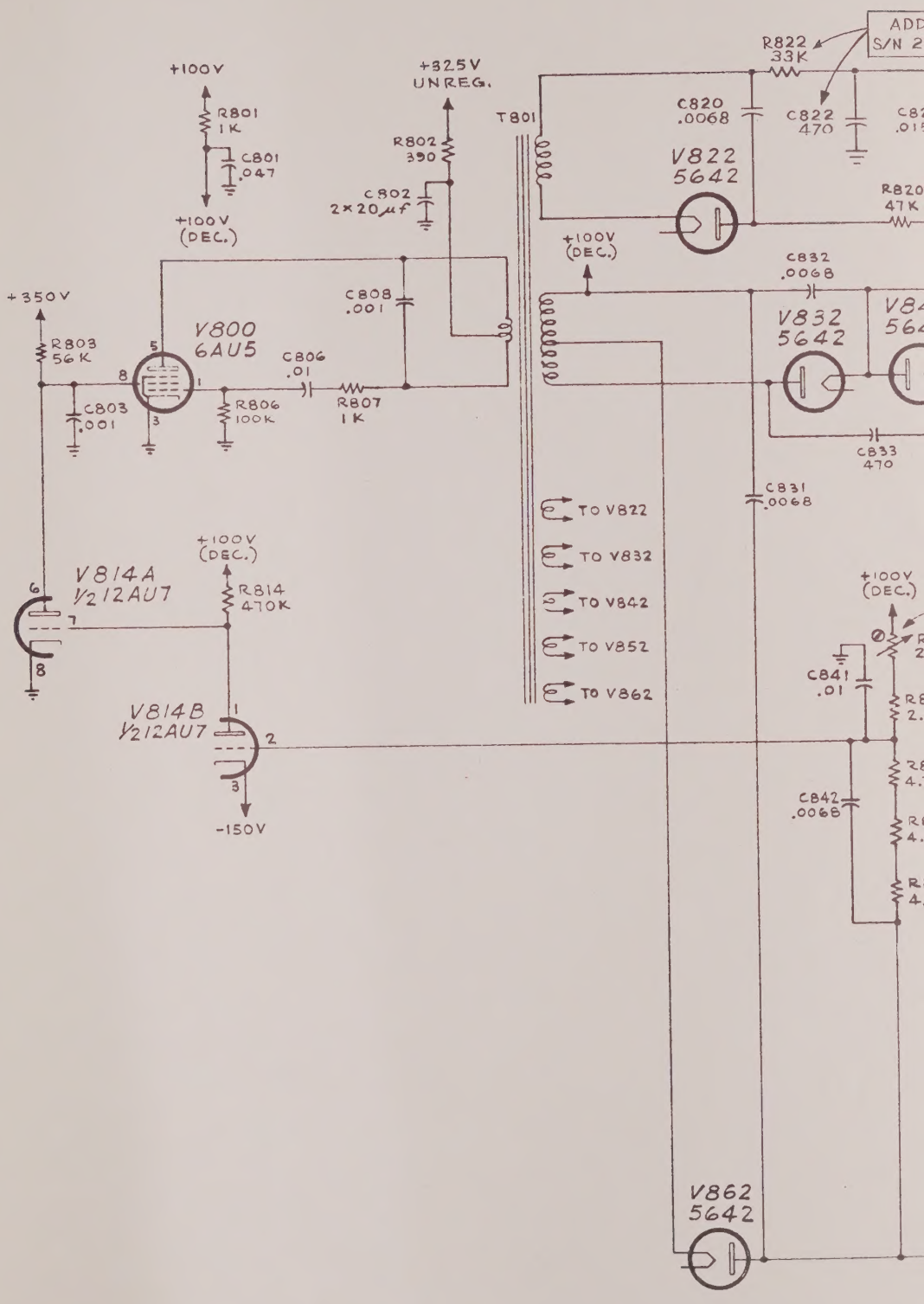
POWER SUPPLY CHASSIS

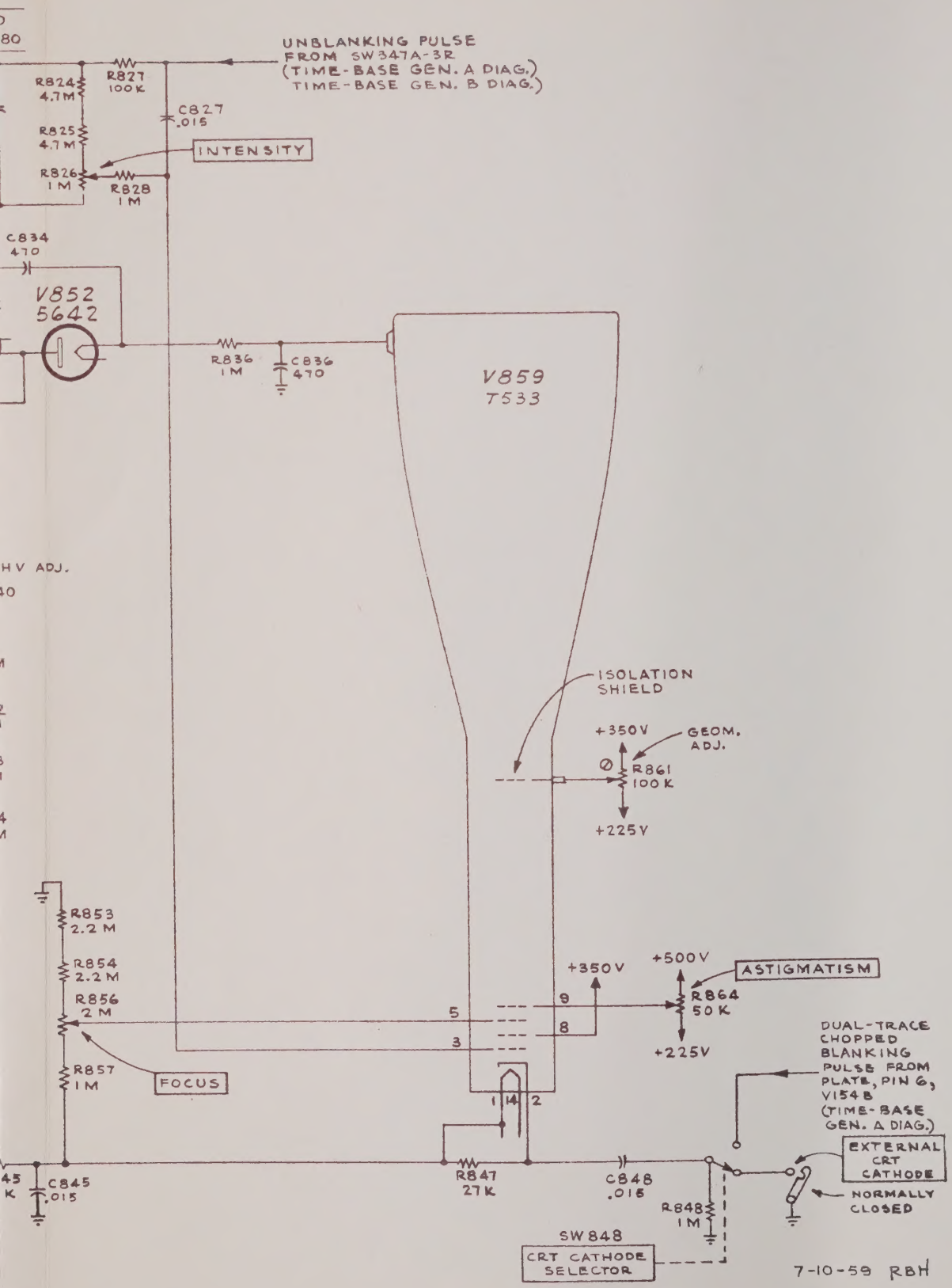
MRH
5 - 8 - 59

TYPE 535A OSCILLOSCOPE

HEATER WIRING DIAGRAM


T601
V762
R760 10
C760A 40μf
R753 1M
V767 12B4
R767 3K
+500V
R757 150K
R758 120K
V754 6AU6
C740 .01
R740 220K
R759 27K
R741 720K
-150V
+500V
C760B 40μf
TO V737, V754, V767
6.3V
ELEV. TO +850V
ELEV. TO +225V
TO VERT. AMP. & TIME-BASE
6.3V
R730 10
K601-4
R731 10
ELEV. TO +100V
TO VERT. AMP. & PLUG-IN
6.3V
C730 125μf
R732 82K
+500V
R723 1.5M
V737 6080
R734 1K
R736 2.4K
R737 2.4K
+350V
R727 1M
+350V
R728 860K
V724 6AU6
C710 .01
R710 236K
C679C* 10μf
ELEV. TO -1350V
TO CRT
6.3V
R729 47K
R712 150K
R711 100K
-150V
V732
V702
+325V UNREG.
TO CRT
R700 0
C700 125μf
+350V
R693 1.5M
V677B ½6080
R677 1.5K
R697 1M
+225V
R686 180K
C679B* 10μf
+225V
R698 270K
V694 6AU6
C688 .01
R688 1.5M
V684 12AX7
C680 .01
R680 333K
R683 1K
R682 .20K
R681 220K
R699 56K
R689 2.2M
-150V
R685 82K
-150V
TO TIME-BASE CHASSIS
6.3V
TO POWER-SUPPLY CHASSIS
6.3V
THERMAL CUTOUT
TK601
FAN
SW601
POWER ON
F601
117 V AC
K601-3
V672
R670 10
C670 150μf
C671 150μf
+225V
R663 1.5M
V677A ½6080
R676 750
R675 1.5K
R667 680K
+100V
R668 47K
V664 6AU6
C650 .01
R650 833K
R669 39K
R651 490K
-150V
+100V
C679A* 10μf
* LOCATED ON TIME-BASE A CHASSIS
SEE PARTS LIST FOR EARLIER VALUES OF PARTS MARKED
TO TIME-BASE B CHASSIS
6.3V
K601-2
V642
R640 10
R641 10
C640 125μf
TO TERM. 12
6.3V
R601 30
SCALE ILLUM.
R602 50
B601
B602
GRATICULE LIGHTS
TO TERM. 18
6.3V
B603
PILOT LIGHT
K600
TO TERM. 18
TO TERM. 12
12.6V
R600 12
K601-1
K601
C601 .02
V627 12B4
V637 12B4
V647 12B4
+100V
R633 1M
R647 800
R643 1K
R644 1K
R637 150K
+100V
R623 4.70K
R648 10
V634 6AU6
R638 27K
C628 .01
R628 2.7M
V609 5651
R615 68K
-150 ADJ.
V624 12AX7
R639 68K
R629 2.7M
R610 100K
R621 1K
R618 100K
R616 10K
C649 2X40 μf
R638 15K
C610 .01
R608 33K
R625 100K
C617 .01
R617 50K
C648 .01
R636 15K
-150V
7-0-59 RBH
POWER SUPPLY
A1


+100V
R801
1K
C801
.047
+100V
(DEC.)
+325V
UNREG.
R802
390
C802
2×20μf
T801
R822
33K
C820
.0068
C822
470
V822
5642
+100V
(DEC.)
C832
.0068
V832
5642
C833
470
C831
.0068
+350V
R803
56K
V800
6AU5
C803
.001
C806
.01
R806
100K
R807
1K
C808
.001
TO V822
TO V832
TO V842
TO V852
TO V862
+100V
(DEC.)
V814A
½12AU7
R814
470K
V814B
½12AU7
-150V
+100V
(DEC.)
C841
.01
C842
.0068
V862
5642


UNBLANKING PULSE
FROM SW347A-3R
(TIME-BASE GEN. A DIAG.)
TIME-BASE GEN. B DIAG.)
R824 4.7M
R827 100K
C827 .015
R825 4.7M
R826 1M
INTENSITY
R828 1M
C834 470
V852 5642
R836 1M
C836 470
V859 T533
ISOLATION SHIELD
+350V
GEOM. ADJ.
R861 100K
+225V
R853 2.2M
R854 2.2M
R856 2M
R857 1M
FOCUS
+350V
+500V
ASTIGMATISM
R864 50K
+225V
DUAL-TRACE CHOPPED BLANKING PULSE FROM PLATE, PIN 6, V154B (TIME-BASE GEN. A DIAG.)
EXTERNAL CRT CATHODE
NORMALLY CLOSED
C845 .015
R847 27K
C848 .015
R848 1M
SW848
CRT CATHODE SELECTOR
7-10-59 RBH
CRT CIRCUIT